

NASA Contractor Report 178349

**Low Speed Wind Tunnel Test of a
Propulsive Wing/Canard Concept
in the STOL Configuration**

Volume II: Test Data

V. R. Stewart

**ROCKWELL INTERNATIONAL CORPORATION
Columbus, Ohio 43216**

Contract NAS1-17171

September 1987

**(NASA-CR-178349) LOW SPEED WIND TUNNEL TEST
OF A PROPULSIVE WING/CANARD CONCEPT IN THE
STOL CONFIGURATION. VOLUME 2: TEST DATA**

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**National Aeronautics and
Space Administration**

**Langley Research Center
Hampton, Virginia 23665-5225**

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ABSTRACT

A propulsive wing/canard model has been tested at STOL operating conditions in the NASA Langley Research Center 4 x 7 meter wind tunnel. Longitudinal and lateral/directional aerodynamic characteristics were measured for various flap deflections, angles of attack and sideslip, and blowing coefficients. Testing was conducted for several model heights to determine ground proximity effects on the aerodynamic characteristics. Flow field surveys of local flow angles and velocities were performed behind both the canard and the wing.

This report consists of two volumes. Volume I (NASA CR-178348) describes the model, instrumentation, and test procedures; and includes an analysis of the data. Volume II (NASA CR-178349) contains all of the test data in three appendices. Appendix A presents tabulated six component force and moment data, Appendix B presents tabulated wing pressure coefficients, and Appendix C presents the flow field data.

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TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
	ABSTRACT.	iii
	TABLE OF CONTENTS	v
	LIST OF SYMBOLS	vi
	LIST OF FIGURES	viii
	LIST OF TABLES.	ix
1.0	INTRODUCTION.	1
APPENDIX A	TABULATED FORCE DATA.	A-1 thru A-166
APPENDIX B	TABULATED WING PRESSURE DATA.	B-1 thru B-118
APPENDIX C	TABULATED FLOW FIELD DATA	C-1 thru C-96

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LIST OF SYMBOLS

Following is a list of computer generated expressions used in Volume II to present the tabulated wind tunnel data.

Appendix A - Tabulated Force Data

RUN	Test Run Number
PT	Test Point Number
Q	Dynamic Pressure
ALPHA	Model Angle of Attack
BETA	Model Angle of Sideslip
REYN	Reynolds Number
HEIGHT	Height above Floor, Inches
CLIS	Lift Coefficient, Stability Axis
CDIS	Drag Coefficient, Stability Axis
CPMIS	Pitching Moment Coefficient, Stability Axis
CRMIS	Rolling Moment Coefficient, Stability Axis
CYMIS	Yawing Moment Coefficient, Stability Axis
CSFIS	Side Force Coefficient, Stability Axis
CNFB	Normal Force Coefficient, Body Axis
CAFB	Axial Force Coefficient, Body Axis
CPMB	Pitching Moment Coefficient, Body Axis
CRMB	Rolling Moment Coefficient, Body Axis
CYMB	Yawing Moment Coefficient, Body Axis
CSFB	Side Force Coefficient, Body Axis
CMUC	Canard Blowing Coefficient
CMUW	Wing Blowing Coefficient
CMUT	Total (Canard + Wing) Blowing Coefficient
CLTR	Thrust Removed Lift Coefficient
CDTR	Thrust Removed Drag Coefficient
CMTR	Thrust Removed Pitching Moment Coefficient
HP	Probe Height above Ground, Inches
X Y Z	Probe Location Relative to Canard Nozzle, Inches
H	
DEL	
DELFC	Canard Deflection (Incidence), Degrees
DELFW	Canard Flap Deflection, Degrees
BN/BW	Wing Flap Deflection, Degrees
BN/BC	Ratio of Nozzle Span to Surface Span, Wing
H/C	Ratio of Nozzle Span to Surface Span, Canard
FRL	Height Measured in Chord Lengths
	Fuselage Reference Line

LIST OF SYMBOLS (Cont'd)

Appendix B - Tabulated Wing Pressure Data

RUN	Test Run Number
POINT	Test Point Number
ALPHA	Model Angle of Attack
PSI	Model Angle of Sideslip
HEIGHT	Model Height Above Ground, Inches
X/C	Percent of Local Chord
BP	Butt Plane Measured from Fuselage Mold Line

Appendix C - Tabulated Flow Field Data

RUN	Test Run Number
PT	Test Data Point Number
ALPHA	Angle of Attack
BETA	Angle of Sideslip
HEIGHT	Height Above Ground
VT	Velocity Feet/Second (Number denotes probe)
ALP	Local Angle of Attack at Probe
BET	Local Angle of Sideslip at Probe

LIST OF FIGURES

<u>FIGURE NO.</u>	<u>TITLE</u>	<u>PAGE</u>
1	Wing Surface Pressure Tap Locations.	10
2	Location of Flow Field Survey Rake with Respect to Model	11
3	Profile View of Model with Survey Rake in Vertical Position Aft of Trailing Edge of Wing Flap.	12
4	Nose-On View of Model with Survey Rake in Horizontal Position Aft of Trailing Edge of Canard Flap	13

LIST OF TABLES

<u>TABLE NO.</u>	<u>TITLE</u>	<u>PAGE</u>
1	Propulsive Wing Test Run Schedule.	2
2	Range of Variables for Run Schedule.	8
3	Survey Rake Locations.	9

SECTION 1.0

INTRODUCTION

This volume lists the conditions for all data runs performed (see Tables 1, 2, and 3) and tabulates the results obtained. These results are tabulated in Appendices A, B, and C of this volume for force data, wing surface pressure data, and flow field (rake survey) data. The force data of Appendix A reflects the output from the 6-component internal balance-converted into coefficient form. Figure 1 shows the location of all wing surface tap locations used during the generation of the Appendix B data; Figures 2, 3, and 4 describe the flow field survey rake used during the acquisition of the Appendix C flow field data.

TABLE 1 PROPULSIVE WING TEST RUN SCHEDULE

R U N #	CONFIG	Q E T A	B L P E A	D E L C	D E L F C	D E L F W	B W / B C	B W / B C	C M U W	C M U C	H /	REMARKS
100	B2C1W8V	2.63 0	A	0	0	0	1	1	0	0	-	
101	B2C1W8V	5.25 0	A	0	0	0	1	1	0	0	-	
102	B2C1W8V	10.5 0	A	0	0	0	1	1	0	0	-	
103	B2C1W8V	10.5 0	A	0	0	0	1	1	1.0	0.5	-	
104	B2C1W8V	5.25 0	A	0	0	0	1	1	2.0	1.0	-	
105	B2C1W8V	30 0	A	0	0	0	1	1	0	0	-	REPEAT OF RUN 100
106	B2C1W8V	21 0	A	0	0	0	1	1	0.5	0.25	-	
107	B2C1W8V	10.5 0	A	0	0	0	1	1	1.0	0.5	-	REPEAT OF RUN 103
108	B2C1W8V	5.25 0	A	0	0	0	1	1	2.0	1.0	-	REPEAT OF RUN 104
109	B2W8V		WT. TAKE									
110	B2W8V	30 0	A	-	-	0	1	-	0	-	-	
111	B2W8V	21 0	A	-	-	0	1	-	0.5	-	-	
112	B2W8V	10.5 0	A	-	-	0	1	-	1.0	-	-	
113	B2W8V	5.25 0	A	-	-	0	1	-	2.0	-	-	
114	B2W8V	30 5	A	-	-	0	1	-	0	-	-	
115	B2W8V	21 5	A	-	-	0	1	-	0.5	-	-	
116	B2W8V	10.5 5	A	-	-	0	1	-	1.0	-	-	
117	B2W8V	5.25 5	A	-	-	0	1	-	2.0	-	-	
118	B2W8		WT. TAKE									
119	B2W8	30 0	A	-	-	0	1	-	0	-	-	
120	B2W8	21 0	A	-	-	0	1	-	0.5	-	-	
121	B2W8	10.5 0	A	-	-	0	1	-	1.0	-	-	
122	B2W8	5.25 0	A	-	-	0	1	-	2.0	-	-	
123	B2W8	30 5	A	-	-	0	1	-	0	-	-	
124	B2W8	21 5	A	-	-	0	1	-	0.5	-	-	
125	B2W8	10.5 5	A	-	-	0	1	-	1.0	-	-	
126	B2W8	5.25 5	A	-	-	0	1	-	2.0	-	-	
127	B2C1V		WT. TAKE									
128	B2C1V	30 0	A	0	0	-	-	1	-	0	-	
129	B2C1V	21 0	A	0	0	-	-	1	-	0.25	-	
130	B2C1V	10.5 0	A	0	0	-	-	1	-	0.5	-	
131	B2C1V	5.25 0	A	0	0	-	-	1	-	1.0	-	
132	B2V	30 0	A	-	-	-	-	-	-	-	-	
133	B2V	30 5	A	-	-	-	-	-	-	-	-	
134	B2V	30 5	A	-	-	-	-	-	-	-	-	
135	B2	30 0	A	-	-	-	-	-	-	-	-	
136	B2	30 A	0	-	-	-	-	-	-	-	-	
137	B2	30 A	5	-	-	-	-	-	-	-	-	
138	B2	30 5	A	-	-	-	-	-	-	-	-	
139	B2W8		WT. TAKE									
140	B2W8		NO DATA									
142	B2W8		NO DATA									
143	B2W8	30 5	A	-	-	45	1	-	0	-	-	
144 & 147			THRUST CALIBRATION									
145			WT. TAKE									
146			NOZZLE CALIBRATION									
148	B2W8	30 0	A	-	-	45	1	-	0	-	-	
149	B2W8	16.5 0	A	-	-	45	1	-	0.5	-	-	
150	B2W8	10.5 0	A	-	-	45	1	-	1.0	-	-	
151	B2W8	5.25 0	A	-	-	45	1	-	2.0	-	-	
152	B2W8	10.5 5	A	-	-	45	1	-	0.5	-	-	
153	B2W8	10.5 5	A	-	-	45	1	-	1.0	-	-	
154	B2W8	5.25 5	A	-	-	45	1	-	2.0	-	-	
155	B2W8	30 A	0	-	-	45	1	-	0	-	-	
156	B2W8	16.5 A	0	-	-	45	1	-	0.5	-	-	
157	B2W8	10.5 A	0	-	-	45	1	-	1.0	-	-	
158	B2W8	30 A	8	-	-	45	1	-	0	-	-	

TABLE 1 PROPULSIVE WING TEST RUN SCHEDULE (Cont'd)

R U N #	CONFIG	Q	B E T A	A L P H A	D E L T A	D E L T A	D E L T A	B W E E T	B W E E T	C H U W	C H U W	H / C	REMARKS
159	B2W8	16.5	A	8	-	-	45	1	-	0.5	-	-	
160	B2W8	10.5	A	8	-	-	45	1	-	1.0	-	-	
161	B2W8	5.25	A	8	-	-	45	1	-	2.0	-	-	
162	B2W8	5.25	A	0	-	-	45	1	-	2.0	-	-	
163	B2W8V	30	0	A	-	-	45	1	-	0	-	-	
164	B2W8V	30	5	A	-	-	45	1	-	0	-	-	
165	B2W8V	30	A	0	-	-	45	1	-	0	-	-	
166	B2W8V	30	A	8	-	-	45	1	-	0	-	-	
167	B2W8V	16.6	A	8	-	-	45	1	-	0.5	-	-	
168	B2W8V	16.6	A	0	-	-	45	1	-	0.5	-	-	
169	B2W8V	16.6	5	A	-	-	45	1	-	0.5	-	-	
170	B2W8V	16.6	0	A	-	-	45	1	-	0.5	-	-	
171	B2W8V	10.5	0	A	-	-	45	1	-	1.0	-	-	
172	B2W8V	10.5	5	A	-	-	45	1	-	1.0	-	-	
173	B2W8V	10.5	A	0	-	-	45	1	-	1.0	-	-	
174	B2W8V	10.5	A	8	-	-	45	1	-	1.0	-	-	
175	B2W8V	5.25	A	8	-	-	45	1	-	2.0	-	-	
176	B2W8V	5.25	A	0	-	-	45	1	-	2.0	-	-	
177	B2W8V	5.25	5	A	-	-	45	1	-	2.0	-	-	
178	B2W8V	5.25	0	A	-	-	45	1	-	2.0	-	-	
179	B2W8V	2.62	0	A	-	-	45	1	-	4.0	-	-	
180	B2W8V	1.31	0	A	-	-	45	1	-	8.0	-	-	
181	B2C9W8V	WT. TARE											
182	B2C9W8V	WT. TARE											
183	B2C9W8V	NOZZLE THRUST CALIBRATION											
184	B2C9W8V	30	0	A	0	45	45	1	1	0	0	-	
185	B2C9W8V	30	5	A	0	45	45	1	1	0	0	-	
186	B2C9W8V	30	A	0	0	45	45	1	1	0	0	-	
187	B2C9W8V	30	A	8	0	45	45	1	1	0	0	-	
188	B2C9W8V	THRUST CALIBRATION											
189	B2C9W8V	NOZZLE CALIBRATION											
190 & 191	B2C9W8V	THRUST CALIBRATION											
192	B2C9W8V	21	0	A	0	45	45	1	1	0.5	0.25	-	
193	B2C9W8V	10.5	0	A	0	45	45	1	1	1.0	0.50	-	
194	B2C9W8V	5.25	0	A	0	45	45	1	1	2.0	1.0	-	
195	B2C9W8V	2.62	0	A	0	45	45	1	1	4.0	2.0	-	
196	B2C9W8V	21	5	A	0	45	45	1	1	0.5	0.25	-	
197	B2C9W8V	10.5	5	A	0	45	45	1	1	1.0	0.5	-	
198	B2C9W8V	5.25	5	A	0	45	45	1	1	2.0	1.0	-	
199	B2C9W8V	1.31	0	A	0	45	45	1	1	8.0	4.0	-	
200	B2C9W8V	21	A	0	0	45	45	1	1	0.5	0.25	-	
201	B2CPW8V	21	A	8	0	45	45	1	1	0.5	0.25	-	
202	B2C9W8V	10.5	A	8	0	45	45	1	1	1.0	0.5	-	
203	B2C9W8V	10.5	A	0	0	45	45	1	1	1.0	0.5	-	
204	B2C9W8V	5.25	A	0	0	45	45	1	1	2.0	1.0	-	
205	B2C9W8V	5.25	A	8	0	45	45	1	1	2.0	1.0	-	
206	B2C9W8	30	5	A	0	45	45	1	1	0	0	-	
207	B2C9W8	21	5	A	0	45	45	1	1	0.5	0.25	-	
208	B2C9W8	10.5	5	A	0	45	45	1	1	1.0	0.5	-	
209	B2C9W8	5.25	5	A	0	45	45	1	1	2.0	1.0	-	
210	B2C9W8	30	0	A	0	45	45	1	1	0	0	-	
211	B2C9W8	21	0	A	0	45	45	1	1	0.5	0.25	-	
212	B2C9W8	10.5	0	A	0	45	45	1	1	1.0	0.5	-	
213	B2C9W8	5.25	0	A	0	45	45	1	1	2.0	1.0	-	
214	B2C9W8V	30	0	A	0	45	45	1	1	0	0	-	
215	B2C9W8V	THRUST CALIBRATION											
216	B2C9W8V	30	0	A	10	45	45	1	1	0	0	-	

TABLE 1 PROPULSIVE WING TEST RUN SCHEDULE (Cont'd)

R U N #	CONFIG	Q	B E T A	A L P H A	D E L T A	D E L T A	D E L T A	B E T A	B E T A	C E N T R A L	C E N T R A L	H E I G H T	REMARKS
217	B2C9W8V	21	0	A	10	45	45	1	1	0.5	0.25	-	
218	B2C9W8V	10.5	0	A	10	45	45	1	1	1.0	0.5	-	
219	B2C9W8V	5.25	0	A	10	45	45	1	1	2.0	1.0	-	
220	B2C9V	THRUST CALIBRATION											
221	B2C9V	30	0	A	0	45	-	-	1	-	0	-	
222	B2C9V	21	0	A	0	45	-	-	1	-	0.25	-	
223	B2C9V	10.5	0	A	0	45	-	-	1	-	0.5	-	
224	B2C9V	5.25	0	A	0	45	-	-	1	-	1.0	-	
225	B2C9V	2.62	0	A	0	45	-	-	1	-	2.0	-	
226	B2C9V	1.31	0	A	0	45	-	-	1	-	4.0	-	
227	B2C9W8V	WT. TARE											
228	B2C9W8V	NOZZLE CALIBRATION											
229	B2C9W8V	WT. TARE											
230	B2C9W8V	30	0	A	0	45	30	1	1	0	0	-	
231	B2C9W8V	21	0	A	0	45	30	1	1	0.5	0.25	-	
232	B2C9W8V	10.5	0	A	0	45	30	1	1	1.0	0.5	-	
233	B2C9W8V	5.25	0	A	0	45	30	1	1	1.0	2.0	-	
234	B2W8V	NOZZLE CALIBRATION											
235	B2W8V	30	0	A	-	-	30	1	-	0	-	-	
236	B2W8V	21	0	A	-	-	30	1	-	0.5	-	-	
237	B2W8V	10.5	0	A	-	-	30	1	-	1.0	-	-	
238	B2W8V	5.25	0	A	-	-	30	1	-	2.0	-	-	
239	B2W8V	2.62	0	A	-	-	30	1	-	4.0	-	-	
240	B2W8V	1.31	0	A	-	-	30	1	-	8.0	-	-	
241	B2C9W8V	WT. TARE & NOZZLE CALIBRATION											
242	B2C9W8V	THRUST CALIBRATION											
243	B2C9W8V	30	0	A	0	30	30	1	1	0	0	-	
244	B2C9W8V	21	0	A	0	30	30	1	1	0.5	0.25	-	
245	B2C9W8V	10.5	0	A	0	30	30	1	1	1.0	0.5	-	
246	B2C9W8V	5.25	0	A	0	30	30	1	1	2.0	1.0	-	
247	B2C9W8V	2.62	0	A	0	30	30	1	1	4.0	2.0	-	
248	B2C9W8V	1.31	0	A	0	30	30	1	1	8.0	4.0	-	
249	B2C9V	WT. TARE & NOZZLE CALIBRATION											
250	B2C9V	30	0	A	0	30	-	-	1	-	0	-	
251	B2C9V	21	0	A	0	30	-	-	1	-	0.25	-	
252	B2C9V	10.5	0	A	0	30	-	-	1	-	0.5	-	
253	B2C9V	5.25	0	A	0	30	-	-	1	-	1.0	-	
254	B2W8V	NOZZLE CALIBRATION											
255	B2W8V	WT. TARE & THRUST CALIBRATION											
256	B2W8V	30	0	A	-	-	15	1	-	0	-	-	
257	B2W8V	21	0	A	-	-	15	1	-	0.5	-	-	
258	B2W8V	10.5	0	A	-	-	15	1	-	1.0	-	-	
259	B2W8V	5.25	0	A	-	-	15	1	-	2.0	-	-	
260	B2C9W8V	NOZZLE CALIBRATION											
261	B2C9W8V	WT. TARE											
262	B2C9W8V	30	0	A	0	15	15	1	1	0	0	-	
263	B2C9W8V	21	0	A	0	15	15	1	1	0.5	0.25	-	
264	B2C9W8V	10.5	0	A	0	15	15	1	1	1.0	0.5	-	
265	B2C9W8V	5.25	0	A	0	15	15	1	1	2.0	1.0	-	
266	B2C9V	WT. TARE & THRUST CALIBRATION											
267	B2C9V	30	0	A	0	15	-	-	1	-	0	-	
268	B2C9V	21	0	A	0	15	-	-	1	-	0.25	-	
269	B2C9V	10.5	0	A	0	15	-	-	1	-	0.5	-	
270	B2C9V	5.25	0	A	0	15	-	-	1	-	1.0	-	
271	B2W8V	WT. TARE & NOZZLE CALIBRATION											
272	B2W8V	THRUST CALIBRATION											
273	B2W8V	30	0	D	-	-	45	1/4	-	0	-	-	

TABLE 1 PROPULSIVE WING TEST RUN SCHEDULE (Cont'd)

R U N	CONFIG	Q	B E T A	A L P H A	D E L T A	D E L T A	D E L T A	B W /	B W /	C M U W	C M U C	E /	REMARKS
274	B2W8V	10	0	D	-	-	45	1/4	-	0.5	-	-	
275	B2W8V	5	0	D	-	-	45	1/4	-	1.0	-	-	
276	B2W8V	2.5	0	D	-	-	45	1/4	-	2.0	-	-	
277	B2W8V	2.5	5	D	-	-	45	1/4	-	2.0	-	-	
278	B2W8V	5	5	D	-	-	45	1/4	-	1.0	-	-	
279	B2W8V	10	5	D	-	-	45	1/4	-	0.5	-	-	
280	B2W8V	30	5	D	-	-	45	1/4	-	0	-	-	
281	B2W8V	30	0	D	-	-	45	1/4	-	0	-	-	
282	B2W8V	10	0	D	-	-	45	1/4	-	0.5	-	-	
283	B2W8V	10	5	D	-	-	45	1/4	-	0.5	-	-	
284	B2W8V	5	5	D	-	-	45	1/4	-	1.0	-	-	
285	B2W8V	5	0	D	-	-	45	1/4	-	1.0	-	-	
286	B2W8V	2.5	0	D	-	-	45	1/4	-	2.0	-	-	
287	B2W8V	2.5	5	D	-	-	45	1/4	-	2.0	-	-	
288	B2W8V	30	5	D	-	-	45	1/4	-	0	-	-	
289	B2W8	NOZZLE CALIBRATION											
290	B2W8	THRUST CALIBRATION											
291	B2W8	30	5	D	-	-	45	1/2	-	0	-	-	
292	B2W8	30	0	D	-	-	45	1/2	-	0	-	-	
293	B2W8	12	0	D	-	-	45	1/2	-	0.5	-	-	
294	B2W8	6	0	D	-	-	45	1/2	-	1.0	-	-	
295	B2W8	3	0	D	-	-	45	1/2	-	2.0	-	-	
296	B2W8	3	5	D	-	-	45	1/2	-	2.0	-	-	
297	B2W8	6	5	D	-	-	45	1/2	-	1.0	-	-	
298	B2W8	12	5	D	-	-	45	1/2	-	0.5	-	-	
299	B2W8V	30	0	D	-	-	45	1/2	-	0	-	-	
300	B2W8V	30	5	D	-	-	45	1/2	-	0	-	-	
301	B2W8V	12	5	D	-	-	45	1/2	-	0.5	-	-	
302	B2W8V	6	5	D	-	-	45	1/2	-	1.0	-	-	
303	B2W8V	3	5	D	-	-	45	1/2	-	2.0	-	-	
304	B2W8V	1.5	0	D	-	-	45	1/2	-	4.0	-	-	
305	B2W8V	3	0	D	-	-	45	1/2	-	2.0	-	-	
306	B2W8V	6	0	D	-	-	45	1/2	-	1.0	-	-	
307	B2W8V	12	0	D	-	-	45	1/2	-	0.5	-	-	
308	B2C9W8V	WT. TAKE & NOZZLE CALIBRATION											
309	B2C9W8V	THRUST CALIBRATION											
310	B2C9W8V	30	0	D	45	0	45	1/2	1	0	0	-	
311	B2C9W8V	30	5	D	45	0	45	1/2	1	0	0	-	
312	B2C9W8V	12	5	D	45	0	45	1/2	1	0.5	0.25	-	
313	B2C9W8V	6	5	D	45	0	45	1/2	1	1.0	0.5	-	
314	B2C9W8V	3	5	D	45	0	45	1/2	1	2.0	1.0	-	
315	B2C9W8V	1.5	5	D	45	0	45	1/2	1	4.0	2.0	-	
316	B2C9W8V	3	0	D	45	0	45	1/2	1	2.0	1.0	-	
317	B2C9W8V	6	0	D	45	0	45	1/2	1	1.0	0.5	-	
318	B2C9W8V	12	0	D	45	0	45	1/2	1	0.5	0.25	-	
319	B2W8V	GROUND BELT CALIBRATION											
320	B2W8V	12	0	0	-	-	45	1/2	-	0	-	A	NOTE 1
321	B2W8V	12	5	8	-	-	45	1/2	-	0	-	A	NOTE 1
322	B2W8V	12	0	0	-	-	45	1/2	-	0.5	-	A	NOTE 1
323	B2W8V	12	5	8	-	-	45	1/2	-	0.5	-	A	NOTE 1
324	B2W8V	6	5	8	-	-	45	1/2	-	1.0	-	A	NOTE 1
325	B2W8V	6	0	0	-	-	45	1/2	-	1.0	-	A	NOTE 1
325	B2W8V	6	0	0	-	-	45	1/2	-	1.0	-	A	NOTE 2
327	B2W8V	3	0	0	-	-	45	1/2	-	2.0	-	A	NOTE 2
328	B2W8V	3	5	8	-	-	45	1/2	-	2.0	-	A	NOTE 2
329	B2W8V	6	5	8	-	-	45	1/2	-	1.0	-	A	NOTE 2
330	B2W8V	12	5	8	-	-	45	1/2	-	0.5	-	A	NOTE 2

TABLE 1 PROPULSIVE WING TEST RUN SCHEDULE (Cont'd)

R U N	CONFIG	Q	B E T A	A L P H A	D E L T A	D E L T A	D E L T A	B H / B W	B H / B C	C H U W	C H U C	H / C	REMARKS
331	B2W8V	12	0	0	-	-	45	1/2	-	0.5	-	A	NOTE 2
332	B2W8V	12	0	0	-	-	45	1/2	-	0	-	A	NOTE 2
333	B2W8V	12	5	8	-	-	45	1/2	-	0	-	A	NOTE 2
334	B2W8V	3	0	0	-	-	45	1/2	-	2.0	-	A	NOTE 1
335	B2W8V	NOZZLE CALIBRATION											
336	B2W8V	WEIGHT TAKE & THRUST CALIBRATION											
337	B2W8V	30	0	0	-	-	45	1	-	0	-	A	NOTE 3
338	B2W8V	21	0	0	-	-	45	1	-	0.5	-	A	NOTE 3
339	B2W8V	10.5	0	0	-	-	45	1	-	1.0	-	A	NOTE 3
340	B2W8V	5.25	0	0	-	-	45	1	-	2.0	-	A	NOTE 3
341	B2W8V	2.62	0	0	-	-	45	1	-	4.0	-	A	NOTE 3
342	B2W8V	1.31	0	0	-	-	45	1	-	8.0	-	A	NOTE 4
343	B2W8V	1.31	0	8	-	-	45	1	-	8.0	-	A	NOTE 4
344	B2W8V	2.62	0	8	-	-	45	1	-	4.0	-	A	NOTE 4
345	B2W8V	2.62	0	0	-	-	45	1	-	4.0	-	A	NOTE 4
346	B2W8V	5.25	0	0	-	-	45	1	-	2.0	-	A	NOTE 4
347	B2W8V	5.25	0	8	-	-	45	1	-	2.0	-	A	NOTE 4
348	B2W8V	5.25	5	8	-	-	45	1	-	2.0	-	A	NOTE 4
349	B2W8V	5.25	5	0	-	-	45	1	-	2.0	-	A	NOTE 4
350	B2W8V	10.5	5	0	-	-	45	1	-	1.0	-	A	NOTE 4
351	B2W8V	10.5	5	8	-	-	45	1	-	1.0	-	A	NOTE 4
352	B2W8V	10.5	0	8	-	-	45	1	-	1.0	-	A	NOTE 4
353	B2W8V	10.5	0	0	-	-	45	1	-	1.0	-	A	NOTE 4
354	B2W8V	21	0	0	-	-	45	1	-	0.5	-	A	NOTE 4
355	B2W8V	21	0	8	-	-	45	1	-	0.5	-	A	NOTE 4
356	B2W8V	21	5	8	-	-	45	1	-	0.5	-	A	NOTE 4
357	B2W8V	21	5	0	-	-	45	1	-	0.5	-	A	NOTE 4
358	B2W8V	30	5	0	-	-	45	1	-	0	-	A	NOTE 4
359	B2W8V	30	5	8	-	-	45	1	-	0	-	A	NOTE 4
360	B2W8V	30	0	8	-	-	45	1	-	0	-	A	NOTE 4
361	B2W8V	30	0	0	-	-	45	1	-	0	-	A	NOTE 4
362	B2W8V	30	0	X	-	-	45	1	-	0	-	-	REPEAT OF RUN 163
363	B2W8V	16.6	0	X	-	-	45	1	-	0.5	-	-	REPEAT OF RUN 170
364	B2W8V	10.5	0	X	-	-	45	1	-	1.0	-	-	REPEAT OF RUN 171
365	B2W8V	5.25	0	X	-	-	45	1	-	2.0	-	-	REPEAT OF RUN 178
366	B2W8V	1.31	0	X	-	-	45	1	-	8.0	-	-	REPEAT OF RUN 180
367	B2W8V	2.62	0	X	-	-	45	1	-	4.0	-	-	REPEAT OF RUN 179
368	B2C9W8V	THRUST CALIBRATION											
369	B2C9W8V	30	0	X	0	45	45	1	1	0	0	-	REPEAT OF RUN 184
370	B2C9W8V	21	0	X	0	45	45	1	1	0.5	0.25	-	REPEAT OF RUN 192
371	B2C9W8V	10.5	0	X	0	45	45	1	1	1.0	0.5	-	REPEAT OF RUN 193
372	B2C9W8V	5.25	0	X	0	45	45	1	1	2.0	1.0	-	REPEAT OF RUN 194
373	B2C9W8V	2.62	0	X	0	45	45	1	1	4.0	2.0	-	REPEAT OF RUN 195
374	B2C9W8V	1.31	0	X	0	45	45	1	1	8.0	4.0	-	REPEAT OF RUN 199
375	B2C9W8V	30	0	0	0	45	45	1	1	0	0	A	NOTE 4
379	B2C9W8V	2.62	0	0	0	45	45	1	1	4.0	2.0	A	NOTE 4
380	B2C9W8V	1.31	0	0	0	45	45	1	1	8.0	4.0	A	NOTE 4
381	B2C9W8V	5.25	0	0	0	45	45	1	1	2.0	1.0	A	NOTE 4
382	B2C9W8V	10.5	0	0	0	45	45	1	1	1.0	0.5	A	NOTE 4
383	B2C9W8V	21	0	0	0	45	45	1	1	0.5	0.25	A	NOTE 4
387	B2C9W8V	21	0	B	0	45	45	1	1	0/1	0.5	-	LATERAL CONTROL
388	B2C9W8V	10.5	0	B	0	45	45	1	1	0/1	0.5	-	NOTE 5
389	B2C9W8V	5.25	0	B	0	45	45	1	1	0/2	1.0	-	
390	B2C9V	THRUST CALIBRATION											
391	B2C9V	21	0	0	0	45	-	-	1	-	0	-	RAKE LOC. 1, NOTE 7
392	B2C9V	10.5	0	0	0	45	-	-	1	-	0.5	-	RAKE LOC. 1, NOTE 7
393	B2C9V	5.25	0	0	0	45	-	-	1	-	1.0	-	RAKE LOC. 1, NOTE 7

TABLE 1 PROPULSIVE WING TEST RUN SCHEDULE (Cont'd)

R U N	CONFIG	Q	B E T A	A L P H A	D E L T A	D E L T A	B L O W I N G	B L O W I N G	C H U S E	C H U S E	H / C	REMARKS	
394	B2C9V	21	0	0	0	45	-	-	1	-	0	-	RAKE LOC. 2, NOTE 7
395	B2C9V	21	0	0	0	45	-	-	1	-	0	-	REPEAT OF RUN 394
396	B2C9V	10.5	0	0	0	45	-	-	1	-	0.5	-	RAKE LOC. 2, NOTE 7
397	B2C9V	5.25	0	0	0	45	-	-	1	-	1.0	-	RAKE LOC. 2, NOTE 7
398	B2C9V	BALANCE CHECK											
399	B2C9V	21	0	0	0	45	-	-	1	-	0	-	RAKE LOC. 3, NOTE 7
400	B2C9V	10.5	0	0	0	45	-	-	1	-	0.5	-	RAKE LOC. 3, NOTE 7
401	B2C9V	5.25	0	0	0	45	-	-	1	-	1.0	-	RAKE LOC. 3, NOTE 7
402	B2C9V	21	0	0	0	45	-	-	1	-	0	-	RAKE LOC. 4, NOTE 7
403	B2C9V	10.5	0	0	0	45	-	-	1	-	0.5	-	RAKE LOC. 4, NOTE 7
404	B2C9V	5.25	0	0	0	45	-	-	1	-	1.0	-	RAKE LOC. 4, NOTE 7
405	B2C9V	V	0	0	0	45	-	-	1	-	0	-	NOTE 6
406	B2C9V	DISCARDED											
407	B2C9V	NOZZLE CALIBRATION											
408	B2C9V	DISCARDED											
409	B2C9V	21	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 6, NOTE 7
410	B2C9V	THRUST CALIBRATION											
411	B2C9V	10.5	0	0	0	0	-	-	1	-	0.5	-	RAKE LOC. 6, NOTE 7
412	B2C9V	5.25	0	0	0	0	-	-	1	-	1.0	-	RAKE LOC. 6, NOTE 7
413	B2C9V	V	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 6, NOTE 7
415	B2C9V	V	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 8, NOTE 7
416	B2C9V	21	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 8, NOTE 7
417	B2C9V	10.5	0	0	0	0	-	-	1	-	0.5	-	RAKE LOC. 8, NOTE 7
418	B2C9V	5.25	0	0	0	0	-	-	1	-	1.0	-	RAKE LOC. 8, NOTE 7
419	B2C9V	V	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 7, NOTE 7
420	B2C9V	21	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 7, NOTE 7
421	B2C9V	10.5	0	0	0	0	-	-	1	-	0.5	-	RAKE LOC. 7, NOTE 7
422	B2C9V	5.25	0	0	0	0	-	-	1	-	1.0	-	RAKE LOC. 7, NOTE 7
423	B2C9V	V	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 5, NOTE 7
424	B2C9V	21	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 5, NOTE 7
425	B2C9V	10.5	0	0	0	0	-	-	1	-	0.5	-	RAKE LOC. 5, NOTE 7
426	B2C9V	5.25	0	0	0	0	-	-	1	-	1.0	-	RAKE LOC. 5, NOTE 7
427	B2C9V	V	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 9, NOTE 7
428	B2C9V	21	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 9, NOTE 7
429	B2C9V	10.5	0	0	0	0	-	-	1	-	0.5	-	RAKE LOC. 9, NOTE 7
430	B2C9V	5.25	0	0	0	0	-	-	1	-	1.0	-	RAKE LOC. 9, NOTE 7
431	B2C9V	V	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 10, NOTE 7
432	B2C9V	21	0	0	0	0	-	-	1	-	0	-	RAKE LOC. 10, NOTE 7
433	B2C9V	10.5	0	0	0	0	-	-	1	-	0.5	-	RAKE LOC. 10, NOTE 7
434	B2C9V	5.25	0	0	0	0	-	-	1	-	1.0	-	RAKE LOC. 10, NOTE 7
435	B2C9V	BALANCE CHECK PITCH											
436	B2C9V	BALANCE CHECK YAW											

NOTES:

1. GROUND BELT VELOCITY IS EQUAL TO FREE STREAM VELOCITY BOUNDARY LAYER SUCTION IS ON
2. GROUND BELT VELOCITY IS ZERO BOUNDARY LAYER SUCTION IS ON
3. GROUND BELT VELOCITY IS ZERO BOUNDARY LAYER SUCTION IS OFF
4. GROUND BELT VELOCITY IS ZERO BOUNDARY LAYER SUCTION IS ON
5. RIGHT HAND WING BLOWING COEFFICIENT IS ZERO
6. MODEL LOWERED FOR RAKE ZERO. USE AS RAKE CALIBRATION ANGLES FOR CLEAN TUNNEL.
RUNS 405, 413, 415, 419, 420, 427, AND 431
7. REFER TO TABLE 3 FOR SPECIFIC RAKE LOCATIONS

TABLE 2 RANGE OF VARIABLES FOR RUN SCHEDULE

• ALPHA RANGES

A -2, 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22
B 0, 4, 12

• BETA RANGE

A -15, -10, -6, -4, -2, 0, 2, 4, 6, 8, 10, 15

• H/C RANGE

A 0.5, 1.0, 2.0, FREE AIR

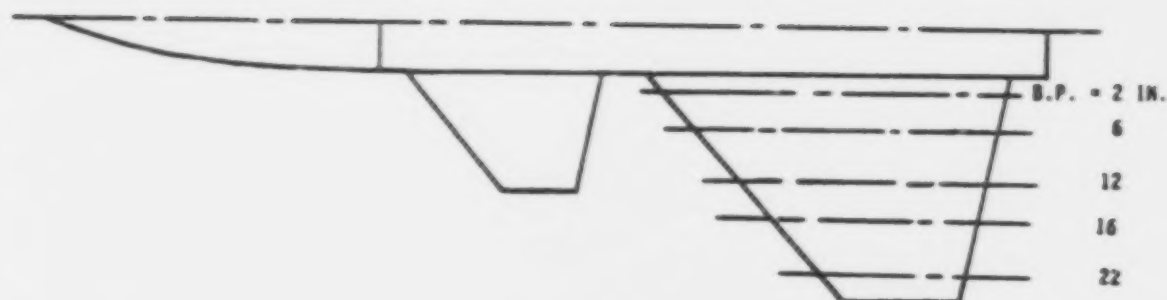
• Q RANGE

V 5.25, 10.5, 21

TABLE 3 SURVEY RAKE LOCATIONS

SURVEY RAKE LOCATION	HP INCHES	X0 INCHES	Y INCHES
1	66	19	3
2	66	19	19
3	66.6	51	19
4	66.6	51	5
5	67.1	19	3
6	66.6	51	5
7	66	19	17
8	65.5	51	19
9	67	11	3
10	66.5	11	17

- a. $X = X0 + (H_{model} + 3 - HP) \sin 7.25 \text{ deg.}$
- b. Probes are 2 inches apart. Seven probes on the rake.
- c. $Z = H_{model} + 3 - HP$ positive when probe is below model



WING STATIC PRESSURE TAP LOCATIONS										
S	Y _w (Distance to Root Chord)									
	2		6		12		16		22	
Chord	Up	Lur	Up	Lur	Up	Lur	Up	Lur	Up	Lur
0	L.E.		L.E.		L.E.		L.E.		L.E.	
2.5	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X
33	X	X	X	X	X	X	X	X	X	X
54	X	X	X	X	X	X	X	X	X	X
66	X	X	X	X	X	X	X	X	X	X
73.5		X		X		X		X		X
78.5	X		X		X		X		X	
79.5	X		X		X		X		X	
80.5	X		X		X		X		X	
81.25	X		X		X		X		X	
82	X		X		X		X		X	
84	X	X	X	X	X	X	X	X	X	X
87	X		X		X		X		X	
89	X		X		X		X		X	
93	X		X		X		X		X	
96	X	X	X	X	X	X	X	X	X	X
100	T.E.		T.E.		T.E.		T.E.		T.E.	

Figure 1 Wing Surface Pressure Tap Locations

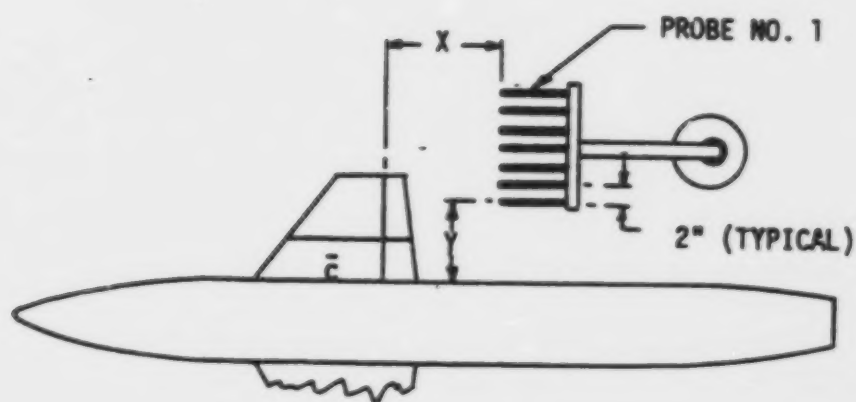
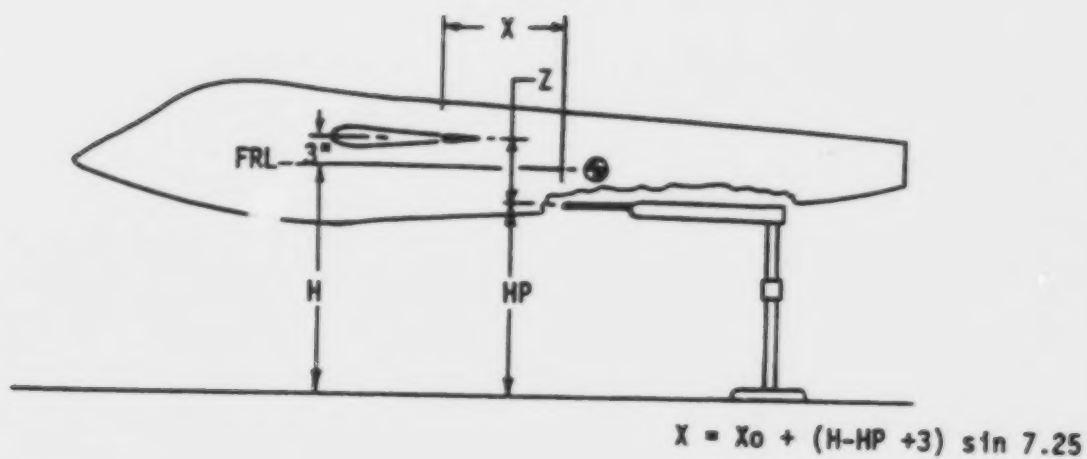


Figure 2 Location of Flow Field Survey Rake with Respect to Model

ORIGINAL PAGE IS
OF POOR QUALITY

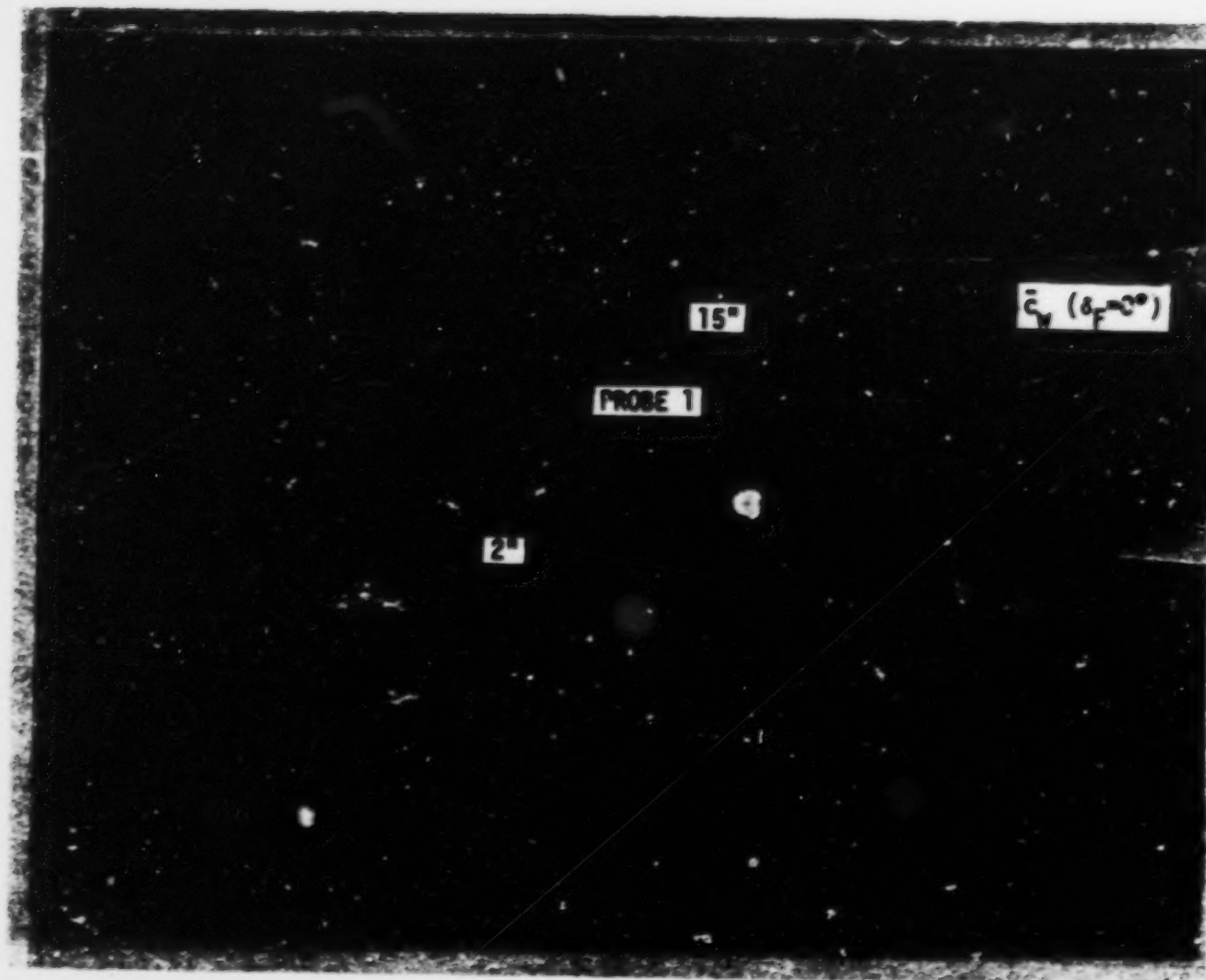


Figure 3 Profile View of Model with Survey Rake in Vertical
Position Aft of Trailing Edge of Wing Flap

ORIGINAL PAGE IS
OF POOR QUALITY



Figure 4 Nose-On View of Model with Survey Rake in Horizontal
Position Aft of Trailing Edge of Canard Flap

APPENDIX A

TABULATED FORCE DATA

000001IVE NING 10001 0000 0000

[illegible][illegible]

PROGRESSIVE HIND FORCE DATA

SUNDARY. 000 100 100

[illegible]

PROPELLSIVE MING FORCE DATA

SUMMARY

000 103

PT	ALPHA DATA	DELTA WEIGHT	CL 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC
1	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
2	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
3	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
4	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
5	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
6	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
7	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
8	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
9	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
10	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
11	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
12	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
13	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY

000 102

PT	ALPHA DATA	DELTA WEIGHT	CL 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC	CPH 15 CJ 15 CNC
1	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
2	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
3	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
4	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
5	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
6	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
7	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
8	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
9	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
10	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
11	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
12	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00
13	10.40	0.000-00	0.22	1.22	-0.24	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PI	SUMMARY										SUMMARY									
	ALPHA	REY	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	ALPHA	REY	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS
	DETA	HEIGHT	CHT	CHT	CHT	CHT	CHT	CHT	CHT	CHT		DETA	HEIGHT	CHT	CHT	CHT	CHT	CHT	CHT	CHT
1	21.15	0.01E+00	0.23	-0.10	-0.15	0.00	0.00	0.00	0.00	0.00	1	10.48	0.57E+00	0.34	-1.25	-0.22	0.00	0.00	0.00	0.00
2	21.04	0.01E+00	0.34	-0.00	-0.14	0.00	0.00	0.00	0.00	0.00	2	16.45	0.57E+00	0.48	-1.23	-0.20	0.00	0.00	0.00	0.00
3	21.04	0.01E+00	0.49	-0.01	-0.12	0.00	0.00	0.00	0.00	0.00	3	16.40	0.57E+00	0.51	-1.22	-0.18	0.01	0.00	0.00	0.00
4	20.92	0.01E+00	0.67	-0.03	-0.12	0.00	0.00	0.00	0.00	0.00	4	16.38	0.57E+00	0.57	-1.24	-0.18	0.00	0.00	0.00	0.00
5	20.92	0.01E+00	0.85	-0.04	-0.10	0.00	0.00	0.00	0.00	0.00	5	16.38	0.57E+00	0.70	-1.20	-0.17	0.01	0.00	0.00	0.00
6	21.04	0.01E+00	0.84	-0.04	-0.09	0.00	0.00	0.00	0.00	0.00	6	16.48	0.57E+00	0.97	-1.16	-0.15	0.01	0.00	0.00	0.00
7	21.04	0.01E+00	1.11	-0.09	-0.04	0.01	0.00	0.00	0.00	0.00	7	16.48	0.57E+00	1.15	-1.08	-0.10	0.01	0.00	0.00	0.00
8	21.15	0.01E+00	1.28	-0.12	-0.02	0.01	0.00	0.00	0.00	0.00	8	16.48	0.57E+00	1.31	-1.00	-0.08	0.01	0.00	0.00	0.00
9	21.04	0.01E+00	1.48	-0.15	-0.02	0.01	0.00	0.00	0.00	0.00	9	16.48	0.57E+00	1.48	-0.99	-0.08	0.01	0.00	0.00	0.00
10	20.92	0.01E+00	1.84	-0.28	0.03	0.01	0.00	0.00	0.00	0.00	10	16.48	0.57E+00	1.83	-0.83	-0.04	0.01	0.00	0.00	0.00
11	21.04	0.01E+00	2.04	-0.48	0.11	0.01	0.00	0.00	0.00	0.00	11	16.48	0.57E+00	2.04	-0.73	-0.02	0.01	0.00	0.00	0.00
12	20.92	0.01E+00	2.17	-0.48	0.11	0.01	0.00	0.00	0.00	0.00	12	16.48	0.57E+00	2.44	-0.58	0.00	0.01	0.00	0.00	0.00
13	20.92	0.01E+00	2.04	-0.48	0.11	0.01	0.00	0.00	0.00	0.00	13	16.48	0.57E+00	2.67	-0.45	0.03	0.01	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PI	SUMMARY										SUMMARY									
	ALPHA	REY	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	ALPHA	REY	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS
	DETA	HEIGHT	CHT	CHT	CHT	CHT	CHT	CHT	CHT	CHT		DETA	HEIGHT	CHT	CHT	CHT	CHT	CHT	CHT	CHT
1	21.15	0.01E+00	0.23	-0.10	-0.15	0.00	0.00	0.00	0.00	0.00	1	10.48	0.57E+00	0.34	-1.25	-0.22	0.00	0.00	0.00	0.00
2	21.04	0.01E+00	0.34	-0.00	-0.14	0.00	0.00	0.00	0.00	0.00	2	16.45	0.57E+00	0.48	-1.23	-0.20	0.00	0.00	0.00	0.00
3	21.04	0.01E+00	0.49	-0.01	-0.12	0.00	0.00	0.00	0.00	0.00	3	16.40	0.57E+00	0.51	-1.22	-0.18	0.01	0.00	0.00	0.00
4	20.92	0.01E+00	0.67	-0.03	-0.12	0.00	0.00	0.00	0.00	0.00	4	16.38	0.57E+00	0.57	-1.24	-0.18	0.00	0.00	0.00	0.00
5	20.92	0.01E+00	0.85	-0.04	-0.10	0.00	0.00	0.00	0.00	0.00	5	16.38	0.57E+00	0.70	-1.20	-0.17	0.01	0.00	0.00	0.00
6	21.04	0.01E+00	0.84	-0.04	-0.09	0.00	0.00	0.00	0.00	0.00	6	16.48	0.57E+00	0.97	-1.16	-0.15	0.01	0.00	0.00	0.00
7	21.04	0.01E+00	1.11	-0.09	-0.04	0.01	0.00	0.00	0.00	0.00	7	16.48	0.57E+00	1.15	-1.08	-0.10	0.01	0.00	0.00	0.00
8	21.15	0.01E+00	1.28	-0.12	-0.02	0.01	0.00	0.00	0.00	0.00	8	16.48	0.57E+00	1.31	-1.00	-0.08	0.01	0.00	0.00	0.00
9	21.04	0.01E+00	1.48	-0.15	-0.02	0.01	0.00	0.00	0.00	0.00	9	16.48	0.57E+00	1.48	-0.99	-0.08	0.01	0.00	0.00	0.00
10	20.92	0.01E+00	1.84	-0.28	0.03	0.01	0.00	0.00	0.00	0.00	10	16.48	0.57E+00	1.83	-0.83	-0.04	0.01	0.00	0.00	0.00
11	21.04	0.01E+00	2.04	-0.48	0.11	0.01	0.00	0.00	0.00	0.00	11	16.48	0.57E+00	2.04	-0.73	-0.02	0.01	0.00	0.00	0.00
12	20.92	0.01E+00	2.17	-0.48	0.11	0.01	0.00	0.00	0.00	0.00	12	16.48	0.57E+00	2.44	-0.58	0.00	0.01	0.00	0.00	0.00
13	20.92	0.01E+00	2.04	-0.48	0.11	0.01	0.00	0.00	0.00	0.00	13	16.48	0.57E+00	2.67	-0.45	0.03	0.01	0.00	0.00	0.00

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 100													
PI	Q	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR
ALPHA	REYNOLDS	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR
BETA	HEIGHT	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 100													
PI	Q	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR
ALPHA	REYNOLDS	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR
BETA	HEIGHT	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR	CLIS	CLIF	CLIM	CLIR
1	5.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	5.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	5.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROLIFERATIVE FORCE DATA

SUMMARY. 2000 110

PT	B ALPHA	REV NO	CLTE	CDS	CPHIS	CMHS	CYNIS	CSFIS
		HIGHT	CHT IN	CAF IS	CMHT	CLTE	CHTE	CHTE
15	39.60	0.98E+06	-0.03	0.01	-0.05	0.00	0.00	0.01
	-2.06	88.31	-0.03	0.01	-0.05	0.00	0.00	0.01
	0.00		0.00	0.00	0.00	-0.04	0.00	-0.05
16	39.00	0.98E+06	0.07	0.01	-0.07	0.00	0.00	0.01
	-0.05	83.58	0.07	0.01	-0.07	0.00	0.00	0.01
	0.00		0.00	0.00	0.00	0.00	0.00	-0.07
17	30.12	0.98E+06	0.17	0.02	-0.08	0.00	0.00	0.01
	2.06	84.75	0.17	0.01	-0.08	0.00	0.00	0.01
	0.00		0.00	0.00	0.00	0.18	0.00	-0.08
18	30.12	0.98E+06	0.26	0.02	-0.10	0.00	0.00	0.00
	4.06	88.81	0.26	0.00	-0.10	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.24	0.07	-0.08
19	30.00	0.98E+06	0.35	0.03	-0.11	0.00	0.00	0.00
	8.02	88.52	0.35	0.00	-0.11	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.33	0.08	-0.11
20	30.12	0.98E+06	0.44	0.04	-0.13	0.00	0.00	0.01
	8.02	83.00	0.44	-0.02	-0.13	0.00	0.00	0.01
	0.00		0.00	0.00	0.00	0.47	0.03	-0.13
21	30.00	0.98E+06	0.54	0.06	-0.15	0.00	0.00	0.00
	10.07	82.27	0.55	-0.03	-0.15	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.53	0.11	-0.15
22	30.12	0.97E+06	0.65	0.08	-0.17	0.00	0.00	0.00
	12.03	84.10	0.65	-0.05	-0.17	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.53	0.13	-0.16
23	30.00	0.98E+06	0.75	0.13	-0.19	0.00	0.00	0.00
	14.04	86.53	0.76	-0.05	-0.19	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.73	0.18	-0.19
24	29.88	0.98E+06	0.86	0.20	-0.22	0.00	0.00	0.00
	16.03	84.02	0.87	-0.04	-0.22	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.53	0.24	-0.22
25	30.00	0.98E+06	0.91	0.26	-0.23	0.00	0.00	0.00
	18.05	83.82	0.94	-0.03	-0.23	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.58	0.30	-0.23
26	29.68	0.98E+06	0.98	0.33	-0.25	0.00	0.00	0.01
	20.08	80.81	1.02	-0.02	-0.25	0.00	0.00	0.01
	0.00		0.00	0.00	0.00	0.84	0.37	-0.24
27	30.23	0.97E+06	0.99	0.38	-0.27	0.00	0.00	0.00
	22.02	88.12	1.06	-0.02	-0.27	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.98	0.42	-0.27

PROPULSIVE WIND FORCE DATA

30 JAN 48

111

[illegible]

REPRODUCTION OF THE DATA
SUMMARY, NOV 1972

PT	Q ALPHA	REV NO REIGNT	CL15 CAF 16 CMC	CS15 CAF 16 CMW	CPW15 CPW16 CMU	CM15 CM16 CLR	CTR15 CTR16 CTR	CS15 CS16 CSW
1	10.48 -2.57 0.00	0.97E+00 88.81	0.27 0.26 0.00	-0.87 -0.88 1.03	-0.23 -0.23 1.03	0.00 0.00 0.12	0.00 0.00 -0.01	0.02 0.02 -0.17
2	10.48 -0.00 0.00	0.97E+00 81.00	0.40 0.40 0.00	-0.87 -0.87 1.03	-0.26 -0.26 1.03	0.00 0.00 0.23	0.00 0.00 -0.01	0.02 0.02 -0.10
3	10.48 2.00 0.00	0.97E+00 84.13	0.34 0.31 0.00	-0.80 -0.80 1.03	-0.10 -0.10 1.03	0.00 0.00 0.33	0.00 0.00 0.00	0.01 0.01 -0.22
4	10.48 4.01 0.00	0.97E+00 83.87	0.60 0.62 0.00	-0.83 -0.87 1.03	-0.30 -0.30 1.03	0.00 0.00 0.44	0.00 0.00 0.02	0.01 0.01 -0.24
5	10.50 5.01 0.00	0.98E+00 81.00	0.73 0.80 0.00	-0.80 -0.80 1.02	-0.29 -0.29 1.02	0.00 0.00 0.55	0.00 0.00 0.04	0.01 0.01 -0.26
6	10.48 8.02 0.00	0.97E+00 84.00	0.87 0.85 0.00	-0.78 -0.81 1.04	-0.20 -0.20 1.04	0.00 0.00 0.87	0.00 0.00 0.09	0.00 0.00 -0.20
7	10.50 10.00 0.00	0.98E+00 86.46	1.10 0.95 0.00	-0.72 -0.81 1.03	-0.37 -0.37 1.03	0.00 0.00 0.78	0.00 0.00 0.00	0.01 0.01 -0.31
8	10.00 12.02 0.01	0.98E+00 83.13	1.26 1.00 0.00	-0.87 -0.81 1.01	-0.40 -0.40 1.01	0.00 0.00 0.81	0.00 0.00 0.13	0.00 0.00 -0.34
9	10.50 14.03 0.00	0.98E+00 85.81	1.43 1.24 0.00	-0.80 -0.83 1.02	-0.49 -0.49 1.02	0.00 0.00 1.05	0.00 0.00 0.10	0.00 0.00 -0.36
0	10.50 16.03 0.00	0.98E+00 83.81	1.81 1.41 0.00	-0.52 -0.80 1.03	-0.40 -0.40 1.03	0.00 0.00 1.21	0.00 0.00 0.26	0.00 0.00 -0.42
1	10.48 18.02 0.00	0.97E+00 80.13	1.60 1.37 0.00	-0.44 -0.87 1.04	-0.52 -0.52 1.04	0.00 0.00 1.36	0.00 0.00 0.30	0.00 0.00 -0.46
2	10.20 20.00 0.00	0.97E+00 80.00	1.97 1.23 0.00	-0.34 -0.80 1.05	-0.58 -0.58 1.05	0.00 0.00 1.48	0.00 0.00 0.43	0.00 0.00 -0.50
3	10.81 22.07 0.00	0.98E+00 88.37	2.00 1.05 0.00	-0.20 -0.87 1.01	-0.58 -0.58 1.01	0.00 0.00 1.60	0.00 0.00 0.53	0.00 0.00 -0.52

PRODUCTIVE MINING FORCE DATA

Pt	ALPHA BETA	DELTA RETURN	CLIS CMT - CMC	CAPIS CAP IS CHIN	CPHIS CPH IS CHPT	CMHIS CMH IS CLTH	CTHIS CTH IS CTHS	CZP IS CZP IS CZNO
1	5.17 -2.02 0.00	0.40E+00 84.33	0.49 0.52 0.00	-1.60 -1.78 2.11	-0.34 -0.34 3.11	0.00 0.00 0.16	0.01 0.01 -0.03	0.00 0.00 -0.21
2	5.17 0.07 0.00	0.40E+00 87.31	0.64 0.83 0.00	-1.78 -1.78 2.16	-0.37 -0.37 2.16	0.00 0.00 0.37	0.01 0.01 -1.03	0.00 0.00 -0.24
3	5.29 2.07 0.00	0.41E+00 84.33	0.00 0.74 0.00	-1.72 -1.75 2.00	-0.20 -0.20 2.00	0.00 0.00 0.36	0.01 0.01 -0.01	0.01 0.03 -0.37
4	5.29 4.00 0.00	0.41E+00 85.81	0.00 0.83 0.00	-1.70 -1.70 2.00	-0.44 -0.44 2.00	0.00 0.00 0.44	0.01 0.01 0.00	0.01 0.01 -0.31
5	5.29 0.01 0.00	0.41E+00 84.14	1.13 0.00 0.00	-1.05 -1.05 2.00	-0.03 -0.03 2.00	0.00 0.00 0.00	0.00 0.00 0.00	0.04 0.04 -0.35
6	5.29 3.01 0.00	0.41E+00 85.53	1.26 1.00 0.00	-1.03 -1.70 2.07	-0.47 -0.47 2.07	0.00 0.00 0.70	0.01 0.01 0.05	0.01 0.01 -0.37
7	5.29 10.07 0.00	0.41E+00 85.79	1.40 1.10 0.00	-1.50 -1.00 2.07	-0.50 -0.50 2.07	0.00 0.00 0.33	0.00 0.00 0.00	0.00 0.00 -0.37
8	5.40 12.01 0.00	0.41E+00 81.75	1.00 1.31 0.00	-1.40 -1.77 2.02	-0.52 -0.52 2.02	0.00 0.00 0.00	0.00 0.00 0.13	0.00 0.00 -0.20
9	5.29 14.00 0.00	0.41E+00 86.44	1.07 1.47 0.00	-1.41 -1.83 2.07	-0.57 -0.57 2.07	0.00 0.00 1.10	0.00 0.00 0.20	0.00 0.00 -0.44
10	5.29 18.00 0.00	0.41E+00 85.33	2.00 1.00 0.00	-1.31 -1.83 2.00	-0.61 -0.61 2.00	0.00 0.00 1.57	0.00 0.00 0.37	0.00 0.00 -0.40
11	5.29 10.00 0.00	0.41E+00 83.51	2.70 1.51 0.00	-1.20 -1.00 2.07	-0.00 -0.00 2.07	0.00 0.00 1.41	0.00 0.00 0.30	0.00 0.00 -0.35
12	5.17 20.04 0.00	0.41E+00 80.83	2.50 2.03 0.00	-1.10 -1.01 2.02	-0.00 -0.00 2.13	0.00 0.00 1.00	0.00 0.00 0.00	0.00 0.00 -0.30
13	5.17 27.05 0.00	0.41E+00 88.43	2.73 2.10 0.00	-0.07 -1.03 2.13	-0.73 -0.73 2.13	0.00 0.00 1.73	0.00 0.00 0.44	0.00 0.00 -0.30

RECEIVED JULY 1964

JULY, 1964 114

PT	ALPHA DATA	DELTA NO HEAT	CL 15 CUT 15 CMC	CPH 15 CAP 15 COM	CPH 15 CPH 15 COM	CMH 15 CMH 15 CL 15	CTR 15 CTR 15 CTR 15	CSF 15 CSF 15 CSF 15
15	30.32 3.00	0.000-00 03.77	-0.02 -0.02	0.01 0.01	-0.04 -0.04	0.00 0.00	-0.01 -0.01	-0.05 -0.05
16	30.12 3.00	0.000-00 03.77	0.00 0.00	0.01 0.01	-0.07 -0.07	0.00 0.00	-0.01 -0.01	-0.05 -0.05
17	30.23 3.00	0.000-00 03.77	0.17 0.10	0.01 0.01	-0.09 -0.09	0.00 0.00	-0.01 -0.01	-0.04 -0.04
18	30.23 3.00	0.000-00 03.77	0.17 0.10	0.01 0.01	-0.09 -0.09	0.00 0.00	-0.01 -0.01	-0.04 -0.04
19	30.12 3.00	0.000-00 03.77	0.20 0.20	0.02 0.02	-0.10 -0.10	0.00 0.00	-0.01 -0.01	-0.05 -0.05
20	30.12 3.00	0.000-00 03.77	0.20 0.20	0.02 0.02	-0.10 -0.10	0.00 0.00	-0.01 -0.01	-0.05 -0.05
21	30.00 3.00	0.000-00 03.77	0.34 0.34	0.00 0.00	-0.14 -0.14	0.00 0.00	0.01 0.01	-0.04 -0.04
22	30.00 3.00	0.000-00 03.77	0.00 0.00	0.00 0.00	-0.10 -0.10	0.00 0.00	-0.02 -0.02	-0.05 -0.05
23	30.00 3.00	0.000-00 03.77	0.76 0.77	0.13 0.13	-0.10 -0.10	0.00 0.00	-0.02 -0.02	-0.05 -0.05
24	30.00 3.00	0.000-00 03.77	0.00 0.00	0.10 0.10	-0.21 -0.21	0.01 0.01	-0.02 -0.02	-0.07 -0.07
25	30.12 3.00	0.000-00 03.77	0.01 0.01	0.20 0.20	-0.23 -0.23	0.01 0.01	-0.03 -0.03	-0.07 -0.07
26	30.00 3.00	0.000-00 03.77	0.00 0.00	0.20 0.20	-0.24 -0.24	0.01 0.01	-0.03 -0.03	-0.07 -0.07
27	30.27 3.00	0.000-00 03.77	0.02 0.02	0.20 0.20	-0.28 -0.28	0.02 0.02	-0.04 -0.04	-0.07 -0.07

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PROVINCIAL MINE FORCE DATA

TUESDAY, 000 110

Pt	ALPHA delta	INT NO IDENTY	CL 15 CMV NO CMC	CD 15 CAP NO CRM	CPI 15 CPH NO CMP	CAN 15 CAN NO CLN	CYN 15 CYN NO CON	CS 15 CSU NO CSO
1	10.40 -3.68 5.00	0.90E+00 00L 57	0.20 0.20 0.00	-0.37 -0.00 1.00	-0.22 0.23 0.00	0.00 0.00 0.12	-0.01 -0.01 -0.01	-0.04 -0.04 -0.17
2	10.50 -5.00 5.00	0.90E+00 04.00	0.20 0.20 0.00	-0.00 -0.00 1.00	-0.20 0.20 1.00	0.00 0.00 0.22	-0.01 -0.01 -0.01	-0.00 -0.00 -0.10
3	10.40 -2.00 5.00	0.90E+00 07.01	0.54 0.51 0.00	-0.00 -0.37 1.01	-0.20 0.20 1.01	0.00 0.00 0.24	0.00 0.00 0.00	-0.04 -0.00 -0.21
4	10.40 -4.00 5.00	0.90E+00 00L 00	0.00 0.00 0.00	-0.32 -0.00 1.00	-0.20 -0.20 1.00	0.00 0.00 0.00	-0.01 -0.01 -0.01	-0.00 -0.00 -0.23
5	10.40 -5.00 5.00	0.90E+00 00L 00	0.02 0.00 0.00	-0.00 -0.00 1.01	-0.22 -0.22 1.01	0.00 0.00 0.00	0.00 0.00 0.00	-0.00 -0.00 -0.20
6	10.50 -0.02 5.00	0.90E+00 00L 53	0.00 0.00 0.00	-0.77 -0.00 1.01	-0.20 -0.24 1.01	0.00 0.00 0.00	0.00 0.00 0.00	-0.00 -0.00 -0.20
7	10.50 -10.00 5.00	0.90E+00 00L 50	1.00 0.00 0.00	-0.74 -0.00 1.01	-0.20 -0.00 1.01	0.00 0.00 0.70	-0.01 -0.01 0.00	-0.07 -0.07 -0.20
8	10.50 -12.00 5.00	0.90E+00 00L 50	1.20 1.00 0.00	-0.70 -0.00 1.01	-0.40 -0.40 1.01	0.00 0.00 0.00	-0.01 -0.01 0.11	-0.07 -0.07 -0.24
9	10.50 -14.00 5.00	0.90E+00 00L 50	1.44 1.30 0.00	-0.62 -0.00 1.01	-0.42 -0.42 1.01	0.00 0.00 1.00	-0.02 -0.02 0.17	-0.07 -0.07 -0.27
10	10.40 -10.00 5.00	0.90E+00 00L 10	1.00 1.00 0.00	-0.50 -0.00 1.00	-0.40 -0.40 1.00	0.00 0.00 1.00	-0.02 -0.02 0.23	-0.00 -0.00 -0.21
11	10.40 -10.00 5.00	0.90E+00 00L 24	1.70 1.50 0.00	-0.40 -0.00 1.00	-0.40 -0.40 1.00	0.00 0.00 1.00	-0.02 -0.02 0.23	-0.00 -0.00 -0.21
12	10.20 -20.00 5.00	0.90E+00 01.00	1.00 1.00 0.00	-0.27 -1.00 1.00	-0.00 -0.00 1.00	0.00 0.00 1.00	-0.00 -0.00 0.20	-0.10 -0.10 -0.40
13	10.20 -22.00 5.00	0.90E+00 00L 23	2.11 1.00 0.00	-0.27 -1.00 1.00	-0.00 -0.00 1.00	0.00 0.00 1.00	-0.04 -0.04 0.40	-0.11 -0.11 -0.53

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040

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REPROLISIVE MIND FORCE DATA

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PROPOSITIVE WIND FORCE DATA

S U M M A R Y, R U N 110															
PT	Q	REV NO	CL 15	CPR15	CMR15	CLR	CPR18	CMR18	CLR	CPR15	CMR15	CLR	CPR18	CMR18	CLR
	ALPHA	REF ID	CAF 15	CAF 18	CHRG										
28	38.77	0.99E+00	-0.01	0.01	0.00	-0.05	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	0.00
	-2.02	0.00	-0.01	0.01	0.00	-0.05	0.00	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	-0.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	38.88	0.99E+00	0.00	0.01	0.00	-0.07	0.00	0.00	0.00	-0.07	0.00	0.00	0.00	0.00	0.00
	-0.01	0.00	0.00	0.01	0.00	-0.07	0.00	0.00	0.00	-0.07	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07
30	38.88	0.99E+00	0.10	0.02	0.00	-0.06	0.00	0.00	0.00	-0.06	0.00	0.00	0.00	0.00	0.00
	-2.01	0.00	0.10	0.01	0.00	-0.06	0.00	0.00	0.00	-0.06	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.10	0.00	0.00	0.00	-0.06
31	38.88	0.99E+00	0.37	0.02	0.00	-0.06	0.00	0.00	0.00	-0.06	0.00	0.00	0.00	0.00	0.00
	-4.06	0.00	0.37	0.00	0.00	-0.06	0.00	0.00	0.00	-0.06	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.26	0.00	0.00	0.00	-0.06
32	38.77	0.99E+00	0.26	0.03	0.00	-0.11	0.00	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	0.00
	-8.00	0.00	0.27	-0.01	0.00	-0.11	0.00	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.26	0.00	0.00	0.00	-0.11
33	38.88	0.99E+00	0.40	0.04	0.00	-0.12	0.00	0.00	0.00	-0.12	0.00	0.00	0.00	0.00	0.00
	-8.00	0.00	0.40	-0.02	0.00	-0.12	0.00	0.00	0.00	-0.12	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.44	0.00	0.00	0.00	-0.12
34	38.00	0.99E+00	0.55	0.00	0.00	-0.14	0.00	0.00	0.00	-0.14	0.00	0.00	0.00	0.00	0.00
	-10.04	0.00	0.55	-0.04	0.00	-0.14	0.00	0.00	0.00	-0.14	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.10	0.00	0.53	0.10	0.00	0.00	-0.14
35	38.77	0.99E+00	0.67	0.00	0.00	-0.16	0.00	0.00	0.00	-0.16	0.00	0.00	0.00	0.00	0.00
	-12.06	0.00	0.67	-0.05	0.00	-0.16	0.00	0.00	0.00	-0.16	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.10	0.00	-0.01
36	38.88	0.99E+00	0.78	0.13	0.00	-0.18	0.00	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00
	-14.01	0.00	0.78	-0.00	0.00	-0.18	0.00	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.10	0.00	0.75	0.10	0.00	0.00	-0.01
37	38.77	0.99E+00	0.86	0.10	0.00	-0.21	0.00	0.00	0.00	-0.21	0.00	0.00	0.00	0.00	0.00
	-16.05	0.00	0.86	-0.05	0.00	-0.21	0.00	0.00	0.00	-0.21	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.24	0.00	0.83	0.24	0.00	0.00	-0.21
38	38.88	0.99E+00	0.92	0.26	0.00	-0.23	0.00	0.00	0.00	-0.23	0.00	0.00	0.00	0.00	0.00
	-18.10	0.00	0.92	-0.04	0.00	-0.23	0.00	0.00	0.00	-0.23	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.30	0.30	0.00	0.00	-0.23
39	38.88	0.99E+00	0.97	0.32	0.00	-0.25	0.00	0.00	0.00	-0.25	0.00	0.00	0.00	0.00	0.00
	-20.02	0.00	1.02	-0.03	0.00	-0.25	0.00	0.00	0.00	-0.25	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.30	0.00	0.54	0.30	0.00	0.00	-0.25
40	38.13	1.00E+07	1.02	0.30	0.00	-0.27	0.00	0.00	0.00	-0.27	0.00	0.00	0.00	0.00	0.00
	-22.07	0.00	1.00	-0.02	0.00	-0.27	0.00	0.00	0.00	-0.27	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.27

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PROGRESSIVE WIND FORCE DATA

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COOPERATIVE WIND FORCE DATA

COMMADY. 000 173

ST	Q ALPHA METH	REV REV REV	CL15 CL15 CL15	CR15 CR15 CR15	CR15 CR15 CR15	CR15 CR15 CR15	CR15 CR15 CR15	CR15 CR15 CR15	CR15 CR15 CR15
1	10.20 1.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.22 0.00	-0.00 -0.22 1.04	-0.22 -0.22 1.04	-0.22 -0.22 1.04	-0.22 -0.22 1.04	-0.22 -0.22 1.04	-0.22 -0.22 1.04
2	10.50 -0.02 5.01	0.97E+00 0.97E+00 0.97E+00	0.22 0.22 0.00	-0.07 -0.07 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
3	10.40 1.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.07 0.07 0.00	-0.07 -0.07 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
4	10.40 4.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.00 0.34 0.00	-0.00 0.34 1.02	-0.22 0.34 1.02	-0.22 0.34 1.02	-0.22 0.34 1.02	-0.22 0.34 1.02	-0.22 0.34 1.02
5	10.40 5.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
6	10.40 7.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.00 0.10 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
7	10.40 8.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.02 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
8	10.40 11.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
9	10.40 12.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
10	10.20 15.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
11	10.50 16.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
12	10.20 18.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02
13	10.00 21.00 5.01	0.97E+00 0.97E+00 0.97E+00	0.10 0.00 0.00	-0.00 -0.00 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02	-0.22 -0.22 1.02

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PROCESSED BY THE FBI

JUN 19 1964

PI	ALPHA DELTA	REV NO MILEST	CI 15 CJ 16 CHIC	CPH 15 CJ 16 CHIC	CPH 15 CPH 16 CHIC	CPH 15 CPH 16 CHIC	CPH 15 CPH 16 CHIC	CTR 15 CTR 16 CTR 17	CSJ 15 CSJ 16 CHIC
1	5.29 -1.00	0.41E+00 0.52.20	0.20 0.34 0.00	-1.77 -1.18 2.08	-0.22 -0.22 2.08	0.01 0.01 -0.01	-0.01 -0.01 -0.10		
2	5.29 -0.01	0.41E+00 00.20	0.40 0.40 0.00	-1.77 -1.77 2.00	-0.22 -0.22 2.00	0.01 0.01 0.12	-0.01 -0.01 -0.10		
3	5.29 2.03 5.01	0.41E+00 07.74	0.04 0.50 0.00	-1.75 -1.77 2.00	-0.20 -0.20 2.00	0.01 0.01 0.21	-0.01 -0.01 -0.27		
4	5.17 2.90 5.01	0.40E+00 07.00	0.03 0.71 0.00	-1.71 -1.77 2.04	-0.17 -0.17 2.04	0.00 0.01 0.20	-0.01 -0.01 -0.24		
5	5.17 5.00 5.01	0.40E+00 00.04	0.00 0.70 0.00	-1.62 -1.72 1.00	-0.20 -0.20 1.00	0.00 0.00 0.43	-0.02 -0.02 -0.17		
6	5.17 5.02 5.01	0.40E+00 04.40	1.21 0.00 0.00	-1.50 -1.74 1.00	-0.41 -0.41 1.00	0.00 0.01 0.52	-0.02 -0.01 -0.07		
7	5.20 10.00 5.01	0.41E+00 00.04	1.31 0.03 0.00	-1.52 -1.72 1.04	-0.42 -0.42 1.04	0.00 0.01 0.00	-0.02 -0.02 0.00		
8	5.17 11.00 5.01	0.40E+00 00.47	1.00 1.21 0.00	-1.40 -1.77 1.00	-0.40 -0.40 1.00	0.00 0.01 0.00	-0.02 -0.02 0.12		
9	5.20 10.02 5.01	0.41E+00 00.52	1.72 1.24 0.00	-1.37 -1.74 1.04	-0.40 -0.40 1.04	0.00 0.01 0.00	-0.02 -0.02 0.10		
10	5.17 10.00 5.01	0.40E+00 00.11	1.07 1.12 0.00	-1.31 -1.81 1.00	-0.52 -0.52 1.00	0.00 0.01 1.10	-0.02 -0.02 0.24		
11	5.17 10.00 5.01	0.40E+00 00.20	2.10 1.00 0.00	-1.22 -1.82 1.00	-0.55 -0.55 1.00	0.00 0.01 1.30	-0.02 -0.02 0.31		
12	5.17 20.00 5.01	0.40E+00 00.72	2.27 1.04 0.00	-1.11 -1.80 1.00	-0.50 -0.50 2.00	0.00 0.01 1.44	-0.02 -0.02 0.30		
13	5.20 21.50 5.01	0.41E+00 00.04	2.40 1.04 0.00	-0.90 -1.84 0.00	-0.01 -0.01 1.00	0.00 0.02 1.52	-0.02 -0.02 0.47		

RECEIVED THE FOLLOWING DATA

JOURNAL OF THE 1977

[illegible]

[illegible]

RECEIVED 12004 0011 1415100000

INDEX. 133

PI	Q	ALPHA	REV	IND	CL 15	CB 15	CP 15	CM 15	CY 15	CS 15	CV 15	CS 16	CV 16	CS 17	CV 17	CS 18	CV 18	CS 19	CV 19
		DELTA	NO	NO	CONF	CAP 15	CAP 16	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
			WGT																
1	30.23	0.00E+00	0.00E+00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.10
	-0.01	0.00E+00	0.00E+00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.10
	15.01	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	30.20	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10.00	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	30.06	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8.00	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30.00	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30.12	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4.00	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	30.23	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1.00	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	30.12	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	30.00	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-2.03	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	30.12	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-4.01	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30.00	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.00E+00	0.00E+00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.02	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	30.00	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	30.00	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.00E+00	0.00E+00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-10.02	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	20.00	0.00E+00	0.00E+00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.02	0.00E+00	0.00E+00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-15.01	0.00E+00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRESSIVE MINING FORCE DATA

SUMMARY. PPM 138

PT	ALPHA BETA	NET WGT INCENT	CLIS CAP INC CMC	CPLIS CAP INC COMM	CPLIS CAP INC COMT	CPLIS CLIB	CYRIS CYRIB	CSYIS CSYIB	CSYIS CSYIB
46	30.23 -2.04 0.00	0.98E+06 88.72	-0.01 -0.01 0.00	0.01 0.01 0.00	-0.01 -0.01 0.00	0.00 0.00 -0.01	0.00 0.00 0.01	0.01 0.01 -0.01	
46	30.23 0.01 0.00	0.98E+06 84.48	0.00 0.00 0.00	0.01 0.01 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.01	0.01 0.01 0.00	
47	30.35 2.06 0.00	0.98E+06 87.54	0.00 0.00 0.00	0.01 0.01 0.00	0.01 0.01 0.00	0.00 0.00 0.00	0.00 0.00 0.01	0.01 0.01 0.00	
48	30.35 4.08 0.00	0.98E+06 83.48	0.00 0.00 0.00	0.01 0.01 0.00	0.02 0.02 0.00	0.00 0.00 0.00	0.00 0.00 0.01	0.01 0.01 0.00	
49	30.33 0.00 0.00	0.98E+06 85.78	0.01 0.01 0.00	0.01 0.01 0.00	0.03 0.03 0.00	0.00 0.01 0.01	0.00 0.00 0.01	0.01 0.01 0.03	
50	30.48 8.02 0.00	0.98E+06 85.83	0.02 0.02 0.00	0.01 0.01 0.00	0.04 0.04 0.00	0.00 0.00 0.02	0.00 0.00 0.01	0.01 0.01 0.04	
51	30.35 18.01 0.00	0.98E+06 86.78	0.02 0.02 0.00	0.01 0.01 0.00	0.00 0.00 0.00	0.00 0.00 0.02	0.00 0.00 0.01	0.01 0.01 0.00	
52	30.23 12.01 0.00	0.98E+06 85.84	0.02 0.02 0.00	0.01 0.01 0.00	0.00 0.00 0.00	0.00 0.00 0.02	0.00 0.00 0.01	0.00 0.01 0.00	
53	30.23 14.03 0.00	0.98E+06 83.48	0.03 0.03 0.00	0.01 0.01 0.00	0.07 0.07 0.00	0.00 0.00 0.03	0.00 0.00 0.01	0.00 0.00 0.07	
54	30.35 18.01 0.00	0.98E+06 85.41	0.04 0.04 0.00	0.02 0.02 0.00	0.00 0.00 0.00	0.00 0.00 0.04	0.00 0.00 0.02	0.00 0.00 0.00	
55	30.35 18.02 0.00	0.98E+06 85.15	0.04 0.04 0.00	0.02 0.02 0.00	0.00 0.00 0.00	0.00 0.00 0.04	0.00 0.00 0.02	0.01 0.01 0.00	
56	30.35 20.07 0.00	0.98E+06 86.43	0.05 0.05 0.00	0.03 0.03 0.00	0.10 0.10 0.00	0.00 0.00 0.05	0.00 0.00 0.03	0.00 0.00 0.10	
57	30.35 22.00 0.00	0.98E+06 87.41	0.05 0.07 0.00	0.03 0.07 0.00	0.03 0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.03	0.00 0.00 0.03	

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 134										SUMMARY, RUN 135									
PT	ALPHA DATA	DELTA HEIGHT	CL 15 CST 15 CSTC	CL 16 CST 16 CSTC	CL 17 CST 17 CSTC	CL 18 CST 18 CSTC	CL 19 CST 19 CSTC	CL 20 CST 20 CSTC	CL 21 CST 21 CSTC	PT	ALPHA DATA	DELTA HEIGHT	CL 15 CST 15 CSTC	CL 16 CST 16 CSTC	CL 17 CST 17 CSTC	CL 18 CST 18 CSTC	CL 19 CST 19 CSTC	CL 20 CST 20 CSTC	CL 21 CST 21 CSTC
1	30.00	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	30.35	0.00E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	58.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00		-0.01	58.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	30.12	0.00E+00	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	4	30.35	0.00E+00	-0.01	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	57.04	-0.01	0.01	0.00	0.00	0.00	0.00	0.00		0.01	58.72	-0.01	0.01	0.00	0.00	0.00	0.00	0.00
3	30.30	0.00E+00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	5	30.35	0.00E+00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.53	0.01	0.01	0.01	0.00	0.01	0.00	0.00		2.01	58.37	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	30.23	0.00E+00	0.01	0.01	0.02	0.00	0.00	0.00	0.00	6	30.40	0.00E+00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.44	0.01	0.01	0.02	0.00	0.01	0.00	0.00		4.02	58.31	0.01	0.01	0.00	0.00	0.00	0.00	0.00
5	30.35	0.00E+00	0.01	0.01	0.03	0.00	0.00	0.00	0.00	7	30.35	0.00E+00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.48	0.01	0.01	0.03	0.00	0.01	0.00	0.00		5.03	58.31	0.01	0.01	0.00	0.00	0.00	0.00	0.00
6	30.23	0.00E+00	0.02	0.01	0.04	0.00	0.00	0.00	0.00	8	30.40	0.00E+00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	58.64	0.02	0.01	0.04	0.00	0.02	0.00	0.00		8.01	58.46	0.01	0.00	0.00	0.00	0.00	0.00	0.00
7	30.35	0.00E+00	0.03	0.01	0.05	0.00	0.00	0.00	0.00	9	30.35	0.00E+00	0.03	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.41	0.03	0.01	0.05	0.00	0.03	0.00	0.00		16.03	58.31	0.03	0.00	0.00	0.00	0.00	0.00	0.00
8	30.23	0.00E+00	0.03	0.01	0.04	0.00	0.00	0.00	0.00	10	30.35	0.00E+00	0.03	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.00	0.03	0.01	0.04	0.00	0.03	0.00	0.00		12.02	58.46	0.03	0.00	0.00	0.00	0.00	0.00	0.00
9	30.35	0.00E+00	0.03	0.02	0.07	0.00	0.00	0.00	0.00	11	30.35	0.00E+00	0.03	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.37	0.03	0.01	0.07	0.00	0.03	0.00	0.00		14.06	58.31	0.03	0.00	0.00	0.00	0.00	0.00	0.00
10	30.30	0.00E+00	0.04	0.02	0.08	0.00	0.00	0.00	0.00	12	30.35	0.00E+00	0.04	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.05	0.04	0.00	0.08	0.00	0.04	0.00	0.00		-0.01	58.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
11	30.35	0.00E+00	0.04	0.02	0.09	0.00	0.00	0.00	0.00	13	30.40	0.00E+00	0.04	0.01	0.00	0.00	0.00	0.00	0.00
	5.01	58.03	0.04	0.01	0.09	0.00	0.04	0.00	0.00		18.01	58.28	0.04	0.00	0.00	0.00	0.00	0.00	0.00
12	30.35	0.00E+00	0.05	0.03	0.10	0.00	0.00	0.00	0.00	14	30.35	0.00E+00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	58.29	0.05	0.01	0.10	0.00	0.04	0.00	0.00		20.00	58.44	0.05	0.00	0.00	0.00	0.00	0.00	0.00
13	30.23	0.00E+00	0.06	0.03	0.10	0.00	0.00	0.00	0.00	15	30.40	0.00E+00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	57.84	0.06	0.01	0.10	0.00	0.01	0.00	0.00		22.01	57.53	0.06	0.00	0.00	0.00	0.00	0.00	0.00

PROPULSIVE MINE FORCE DATA

SUMMARY, RUN 136

PI	ALPHA BETA	REV MO HEIGHT	CLIS CMF 16 CMNC	CSIS CAF 16 CMNA	CMNIS CMNIB CMNIT	CMNIS CLIR	CYNIS CYNIB CYNIR	CSFIS CSFIB CSFIR
1	28.88 -2.01 5.01	0.95E+06 88.82	-0.01 0.01 0.00	0.01 0.01 0.00	-0.01 -0.01 0.00	0.00 0.00 -0.01	-0.02 -0.02 0.01	-0.01 -0.01 -0.01
2	30.12 -0.02 5.01	0.95E+06 85.00	0.00 0.00 0.00	0.01 0.01 0.00	0.00 0.00 0.00	0.00 0.00 0.01	-0.02 -0.02 0.01	-0.01 -0.01 0.00
3	30.23 2.01 5.01	0.95E+06 83.88	0.00 0.00 0.00	0.01 0.01 0.00	0.00 0.00 0.00	0.00 0.00 0.01	-0.02 -0.02 0.01	-0.01 -0.01 0.01
4	30.23 4.02 5.01	0.95E+06 88.22	0.01 0.01 0.00	0.01 0.01 0.00	0.02 0.02 0.00	0.00 0.00 0.01	-0.02 -0.02 0.01	-0.01 -0.01 0.01
5	30.23 8.00 5.01	0.95E+06 88.35	0.01 0.00 0.00	0.00 0.00 0.00	0.03 0.03 0.00	0.00 0.00 0.01	-0.02 -0.02 0.00	-0.02 -0.02 0.03
6	30.23 8.04 5.01	0.95E+06 84.53	0.01 0.00 0.00	0.00 0.00 0.00	0.04 0.04 0.00	0.00 0.00 0.01	-0.02 -0.02 0.00	-0.03 -0.03 0.04
7	30.12 16.04 5.01	0.95E+06 84.31	0.02 0.00 0.00	0.01 0.00 0.00	0.05 0.05 0.00	0.00 0.00 0.02	-0.02 -0.02 0.01	-0.03 -0.03 0.05
8	30.12 12.01 5.01	0.95E+06 86.31	0.02 0.02 0.00	0.01 0.00 0.00	0.06 0.06 0.00	0.00 0.00 0.02	-0.02 -0.02 0.01	-0.05 -0.05 0.06
9	30.12 13.88 5.00	0.95E+06 88.31	0.03 0.03 0.00	0.01 0.00 0.00	0.07 0.07 0.00	0.00 0.00 0.03	-0.02 -0.02 0.01	-0.07 -0.07 0.07
10	30.12 16.01 5.00	0.95E+06 88.53	0.03 0.00 0.00	0.01 0.00 0.00	0.07 0.07 0.00	0.00 0.00 0.03	-0.02 -0.02 0.01	-0.08 -0.08 0.07
11	30.23 18.04 5.00	0.95E+06 85.58	0.05 0.05 0.00	0.02 0.00 0.00	0.08 0.08 0.00	0.00 0.00 0.05	-0.02 -0.02 0.02	-0.10 -0.10 0.08
12	30.23 20.01 5.00	0.95E+06 80.25	0.06 0.07 0.00	0.02 0.00 0.00	0.10 0.10 0.00	0.00 0.00 0.06	-0.02 -0.02 0.02	-0.12 -0.12 0.10
13	30.12 22.00 5.00	0.95E+06 87.53	0.07 0.07 0.00	0.03 0.03 0.00	0.10 0.10 0.00	-0.01 0.00 0.00	-0.02 -0.02 0.03	-0.14 -0.14 0.10

PROPULSIVE MINE FORCE DATA

SUMMARY, RUN 137

PI	ALPHA BETA	REV MO HEIGHT	CLIS CMF 16 CMNC	CSIS CAF 16 CMNA	CMNIS CMNIB CMNIT	CMNIS CLIR	CYNIS CYNIB CYNIR	CSFIS CSFIB CSFIR
1	28.77 5.02 15.02	0.95E+06 88.34	0.00 0.00 0.00	0.00 0.01 0.00	0.02 0.02 0.00	0.00 0.00 0.00	-0.07 -0.07 0.00	-0.07 -0.07 0.02
2	30.00 5.02 10.01	0.95E+06 88.34	0.00 0.00 0.00	0.01 0.00 0.00	0.02 0.02 0.00	0.00 0.00 0.00	-0.08 -0.08 0.01	-0.04 -0.04 0.02
3	30.12 3.02 8.00	0.95E+06 88.34	0.01 0.01 0.00	0.01 0.00 0.00	0.02 0.02 0.00	0.00 0.00 0.01	-0.04 -0.04 0.01	-0.03 -0.03 0.02
4	30.12 5.03 8.01	0.95E+06 88.34	0.01 0.01 0.00	0.01 0.01 0.00	0.02 0.02 0.00	0.00 0.00 0.01	-0.03 -0.03 0.01	-0.02 -0.02 0.02
5	30.12 5.03 3.00	0.95E+06 88.34	0.01 0.01 0.00	0.01 0.01 0.00	0.02 0.02 0.00	0.00 0.00 0.01	-0.02 -0.02 0.01	-0.01 -0.01 0.02
6	30.00 5.03 2.01	0.95E+06 88.34	0.01 0.01 0.00	0.01 0.01 0.00	0.03 0.03 0.00	0.00 0.00 0.01	-0.01 -0.01 0.01	-0.01 -0.01 0.03
7	30.12 5.03 0.00	0.95E+06 88.34	0.00 0.00 0.00	0.00 0.00 0.00	0.02 0.02 0.00	0.00 0.00 0.00	0.00 0.00 0.00	-0.01 -0.01 0.02

PROPULSIVE MING FORCE DATA

SUMMARY, RUN 139												
PT	Q	REV NO	CLIS	CPMIS	CMRIS	CSFIS	CLIS	CAFIS	CPMIS	CMRIS	CSFIS	CLIS
ALPHA	BETA	HEIGHT	CHIFB	CHMIS	CHMIS	CHMIS	CHIFB	CHMIS	CHMIS	CHMIS	CHMIS	CHMIS
15	0.00	0.00E+00	25.43	-14.87	-872.40	-12.79	25.43	-14.84	-872.40	-12.79	-18.34	0.21
	-0.05	0.00E+00	25.44	-14.84	-872.40	-12.81	25.44	-14.84	-872.40	-12.81	-18.32	0.21
	0.00	87.18	0.00	0.00	0.00	25.43	0.00	0.00	0.00	25.43	-14.87	-872.40
16	0.00	0.00E+00	40.58	-28.79	-1402.00	-18.07	40.58	-28.75	-1402.00	-18.09	-15.41	-0.57
	-0.08	0.00E+00	40.58	-28.75	-1402.00	-18.09	40.58	-28.75	-1402.00	-18.09	-15.41	-0.57
	0.00	87.18	0.00	0.00	0.00	40.58	0.00	0.00	0.00	40.58	-28.75	-1402.00
17	0.00	0.00E+00	82.84	-48.89	-2125.00	-22.84	82.84	-48.89	-2125.00	-22.84	-18.14	-0.23
	-0.13	0.00E+00	82.84	-48.89	-2125.00	-22.84	82.84	-48.89	-2125.00	-22.84	-18.14	-0.23
	0.00	87.18	0.00	0.00	0.00	82.84	0.00	0.00	0.00	82.84	-48.89	-2125.00
18	0.00	0.00E+00	82.98	-58.18	-2883.00	-37.87	82.98	-58.18	-2883.00	-37.87	-33.80	0.42
	-0.17	0.00E+00	82.98	-58.18	-2883.00	-37.87	82.98	-58.18	-2883.00	-37.87	-33.80	0.42
	0.00	87.18	0.00	0.00	0.00	82.98	0.00	0.00	0.00	82.98	-58.18	-2883.00
19	0.00	0.00E+00	108.70	-72.38	-3880.00	-53.38	108.70	-72.38	-3880.00	-53.38	-38.02	-0.33
	-0.23	0.00E+00	108.70	-72.38	-3880.00	-53.38	108.70	-72.38	-3880.00	-53.38	-38.02	-0.33
	0.00	87.18	0.00	0.00	0.00	108.70	0.00	0.00	0.00	108.70	-72.38	-3880.00

PROPULSIVE MING FORCE DATA

SUMMARY, RUN 138												
PT	Q	REV NO	CLIS	CPMIS	CMRIS	CSFIS	CLIS	CAFIS	CPMIS	CMRIS	CSFIS	CLIS
ALPHA	BETA	HEIGHT	CHIFB	CHMIS	CHMIS	CHMIS	CHIFB	CHMIS	CHMIS	CHMIS	CHMIS	CHMIS
1	28.88	0.95E+08	-0.02	0.01	0.00	-0.07	-0.02	0.01	0.00	0.00	-0.07	-0.05
	-0.03	88.58	-0.02	0.01	0.00	-0.07	-0.02	0.01	0.00	0.00	-0.07	-0.05
	15.00	88.58	0.00	0.00	0.00	-0.02	0.01	0.00	0.00	0.00	-0.02	0.00
2	28.88	0.95E+08	0.00	0.01	0.00	-0.05	0.00	0.01	0.00	0.00	-0.05	-0.03
	-0.02	88.58	0.00	0.01	0.00	-0.05	0.00	0.01	0.00	0.00	-0.05	-0.03
	10.03	88.58	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00
3	30.00	0.95E+08	-0.01	0.01	0.00	-0.04	-0.01	0.01	0.00	0.00	-0.04	-0.02
	-0.02	88.58	-0.01	0.01	0.00	-0.04	-0.01	0.01	0.00	0.00	-0.04	-0.02
	8.00	88.58	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
4	30.00	0.95E+08	-0.01	0.01	0.00	-0.03	0.00	0.01	0.00	0.00	-0.03	-0.01
	-0.01	88.58	-0.01	0.01	0.00	-0.03	0.00	0.01	0.00	0.00	-0.03	-0.01
	8.01	88.58	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
5	30.00	0.95E+08	-0.01	0.01	0.00	-0.02	0.00	0.00	0.00	0.00	-0.02	-0.01
	-0.01	88.58	-0.01	0.01	0.00	-0.02	0.00	0.00	0.00	0.00	-0.02	-0.01
	4.00	88.58	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
6	30.00	0.95E+08	-0.01	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
	-0.01	88.58	-0.01	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
	2.00	88.58	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
7	28.88	0.95E+08	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	88.58	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	88.58	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
8	30.00	0.95E+08	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
	-0.01	88.58	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
	-2.00	88.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	30.00	0.95E+08	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	88.58	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-4.00	88.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28.77	0.95E+08	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	88.58	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	-8.00	88.58	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
11	28.88	0.95E+08	-0.01	0.01	0.00	0.04	0.00	0.01	0.00	0.00	0.04	0.01
	0.00	88.58	-0.01	0.01	0.00	0.04	0.00	0.01	0.00	0.00	0.04	0.01
	-8.00	88.58	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
12	28.88	0.95E+08	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
	0.00	88.58	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
	-10.00	88.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	28.77	0.95E+08	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
	0.01	88.58	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
	-15.00	88.58	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.01

PROGRESSIVE WING FORCE DATA

142

[illegible]

PROPOSITIVE WIND FORCE DATA

CONFIDENTIAL.

PI	ALPHA BETA	MEV MC (MOT)	CL15 CAF15 CMA5	CM15 CPM15 CMT	CM15 CM15 CL15	CM15 CPM15 CMT	CM15 CPM15 CMT	CM15 CPM15 CMT
2	20.12 -2.14 5.00	0.982-00 0.98 07.00	0.38 0.37 0.00	-0.38 -0.38 0.00	0.00 0.00 0.36	-0.02 -0.02 0.11	-0.02 -0.02 0.11	-0.02 -0.02 0.36
3	30.25 -5.00 5.00	0.982-00 0.98 03.10	0.47 0.47 0.00	-0.39 -0.39 0.00	0.00 0.00 0.47	-0.02 -0.02 0.12	-0.02 -0.02 0.12	-0.01 -0.01 0.36
4	30.00 2.00 5.00	0.97E-00 0.98 04.15	0.50 0.53 0.00	-0.42 -0.42 0.00	0.00 0.00 0.56	-0.02 -0.02 0.14	-0.02 -0.02 0.14	-0.02 -0.02 0.43
5	20.00 4.03 5.00	0.97E-00 0.98 05.05	0.64 0.66 0.00	-0.46 -0.46 0.00	0.00 0.00 0.84	-0.02 -0.02 0.15	-0.02 -0.02 0.15	-0.02 -0.02 0.46
6	30.00 4.03 5.00	0.97E-00 0.98 05.05	0.64 0.66 0.00	-0.46 -0.46 0.00	0.00 0.00 0.84	-0.02 -0.02 0.15	-0.02 -0.02 0.15	-0.02 -0.02 0.46
7	30.12 8.01 5.00	0.98E-00 0.98 04.54	0.73 0.74 0.00	-0.49 -0.49 0.00	0.00 0.00 0.73	-0.02 -0.02 0.17	-0.02 -0.02 0.17	-0.03 -0.03 0.49
8	30.00 8.01 5.00	0.97E-00 0.98 05.31	0.82 0.85 0.00	-0.34 -0.34 0.00	0.00 0.00 0.82	-0.02 -0.02 0.19	-0.02 -0.02 0.19	-0.03 -0.03 0.54
9	30.00 10.05 5.00	0.97E-00 0.98 05.52	0.83 0.86 0.00	-0.34 -0.34 0.00	0.00 0.00 0.83	-0.02 -0.02 0.24	-0.02 -0.02 0.24	-0.04 -0.04 0.56
10	20.00 12.10 5.00	0.97E-00 0.98 05.52	1.04 1.06 0.00	-0.54 -0.54 0.00	0.00 0.00 1.04	-0.02 -0.02 0.30	-0.02 -0.02 0.30	-0.04 -0.04 0.64
11	20.00 14.05 5.00	0.97E-00 0.98 05.51	1.10 1.15 0.00	-0.57 -0.57 0.00	0.01 0.01 1.10	-0.02 -0.02 0.35	-0.02 -0.02 0.35	-0.06 -0.06 0.67
12	20.77 18.02 5.00	0.97E-00 0.98 06.37	1.14 1.21 0.00	-0.58 -0.58 0.00	0.01 0.01 1.14	-0.02 -0.02 0.42	-0.02 -0.02 0.42	-0.07 -0.07 0.69
13	20.77 18.07 5.00	0.97E-00 0.98 07.41	1.15 1.24 0.00	-0.59 -0.59 0.00	0.01 0.01 1.15	-0.02 -0.02 0.49	-0.02 -0.02 0.49	-0.08 -0.08 0.71
14	20.00 20.15 5.00	0.97E-00 0.98 07.38	1.14 1.25 0.00	-0.70 -0.70 0.00	0.02 0.02 1.14	-0.02 -0.02 0.54	-0.02 -0.02 0.54	-0.08 -0.08 0.70
15	20.00 22.11 5.00	0.97E-00 0.98 08.53	1.11 1.25 0.00	-0.80 -0.80 0.00	0.02 0.02 1.11	-0.02 -0.02 0.56	-0.02 -0.02 0.56	-0.07 -0.07 0.80

PROPOSITIVE MIND FORCE DATA

SUMMARY. 200 140

	ALPHA DATA	DET NO RETURN	CL 10 CMT NO CMC	CM 15 CM 17 CM 18	CM 16 CM 19 CM 20	CM 15 CM 16 CM 17	CM 15 CM 16 CM 17	CM 15 CM 16 CM 17
1	0.00	0.30E+00	1.00	0.14	0.44	1.00	-0.53	1.01
2	0.00	0.00	1.00	0.14	0.44	1.00	-0.53	1.01
3	0.00	0.30E+00	22.23	-22.53	-666.40	-34.54	24.10	-0.71
4	0.00	0.30E+00	22.23	-22.48	-666.40	34.57	24.13	-0.71
5	0.00	0.00	0.00	15.00	1.00	22.90	22.53	-666.40
6	0.00	0.30E+00	71.43	-48.26	-1917.00	-50.00	-48.67	-0.00
7	0.00	0.00	0.00	05.50	00.50	50.53	-48.53	-0.00
8	0.00	0.30E+00	54.00	-33.57	-2504.00	74.31	-50.00	-0.25
9	0.00	0.00	04.23	-33.23	-2504.00	74.42	-54.52	-0.26
10	0.00	0.00	04.27	84.27	84.27	50.00	-53.57	-2504.00
11	0.00	0.30E+00	114.00	-77.83	-2087.00	-80.04	-74.13	1.33
12	0.00	0.00	115.26	-77.42	-2087.00	-81.16	-77.74	1.33
13	0.00	0.00	126.40	126.40	126.40	110.00	-77.53	-2087.00

PROFESSIVE WING FORCE DATA

JULY 1958 103

[illegible]

PROPELLSIVE MISSILE FORCE DATA

PI	SUMMARY, SUB 146									
	ALPHA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MISSILE FORCE DATA

PI	SUMMARY, SUB 147									
	ALPHA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA	DELTA DATA
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRESSIVE MILES FORCE DATA										PROGRESSIVE MILES FORCE DATA										
SUMMARY					SUMMARY					SUMMARY					SUMMARY					
PT	ALPHA DATA	BET REPORT	CL 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	PT	ALPHA DATA	BET REPORT	CL 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	CPR 15 CSP 10 CONE	
1	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	1	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
2	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	2	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
3	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	3	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
4	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	4	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
5	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	5	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
6	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	6	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
7	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	7	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
8	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	8	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
9	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	9	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
10	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	10	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
11	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	11	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
12	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	12	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09
13	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	13	16.78	0.745-00 REL 11	1.08	0.07	1.13	0.09	1.13	0.09	1.13	0.09

PROPERTY AND VOICE DATA

[illegible]

POPULIST WINNING DATA

[illegible]

PROCESSED BY THE FBI

[illegible]

PT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
0	16.00	0.702+00	1.04	0.00	-1.11	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07	0.00	-0.07

POPULATIVE WING FORCE DATA

SUMMARY, 200 1923

[illegible]

PROPELLSIVE WIND FORCE DATA										PROPELLSIVE WIND FORCE DATA										
SUMMARY.					SUM 154					SUMMARY.					SUM 199					
PT	ALPHA DATA	BETW NO DEFLECT	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	PT	ALPHA DATA	BETW NO DEFLECT	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	CL 15 CFW 16 CFW 18 CFW 19	
1	5.17	0.202-00	2.50	-0.22	-1.50	-0.01	-0.03	0.00	0.00	3	24.12	0.042-00	0.00	0.12	-0.27	0.00	0.00	0.00	0.00	0.00
	-1.00	0.00	2.50	-0.23	-1.00	-0.02	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.27	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.53	1.53	1.00	0.00	-1.22	0.00		15.00	0.00	0.00	0.00	0.43	0.14	0.00	0.00	0.00	
2	5.00	0.202-00	2.00	-0.20	-2.00	-0.02	-0.03	0.00	0.00	3	25.77	0.032-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.00	-0.20	-2.00	-0.02	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.51	1.51	1.75	0.52	-1.00	0.00		16.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
3	5.29	0.002-00	2.00	-0.14	-1.07	-0.00	-0.03	0.00	0.00	4	25.77	0.032-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.00	-0.24	-1.57	-0.00	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.52	1.52	1.53	0.50	-1.00	0.00		7.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
4	5.29	0.002-00	2.11	-0.03	-2.01	-0.02	-0.03	0.00	0.00	5	24.12	0.032-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.11	-0.20	-2.01	-0.02	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.54	1.54	1.00	0.50	-1.00	0.00		5.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
5	5.17	0.202-00	2.23	-0.00	-2.10	-0.01	-0.03	0.00	0.00	6	24.23	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.23	-0.20	-2.10	-0.01	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.57	1.57	2.12	0.73	-1.51	0.00		4.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
6	5.17	0.202-00	2.23	-0.21	-2.10	-0.01	-0.03	0.00	0.00	7	24.12	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.23	-0.27	-2.10	-0.01	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.57	1.57	2.10	0.51	-	0.00		1.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
7	5.29	0.002-00	2.33	-0.24	-2.10	-0.01	-0.03	0.00	0.00	8	24.00	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.33	-0.20	-2.12	-0.00	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.56	1.56	2.30	0.50	-1.50	0.00		0.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
8	5.29	0.002-00	2.00	-0.00	-2.10	-0.01	-0.03	0.00	0.00	9	24.00	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.00	-0.20	-2.10	-0.01	-0.03	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.54	1.54	2.00	0.50	-1.50	0.00		0.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
9	5.17	0.202-00	2.00	-0.04	-2.22	-0.01	-0.04	0.00	0.00	10	24.12	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.00	-0.20	-2.22	-0.00	-0.04	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.54	1.54	2.00	0.50	-1.50	0.00		0.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
10	5.29	0.002-00	2.00	-0.27	-2.22	-0.01	-0.05	0.00	0.00	11	24.00	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.00	-0.20	-2.22	-0.01	-0.05	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.54	1.54	2.00	0.50	-1.50	0.00		0.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
11	5.29	0.002-00	2.00	-0.33	-2.22	-0.00	-0.05	0.00	0.00	12	24.12	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.00	-0.20	-2.22	-0.00	-0.05	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.54	1.54	2.00	0.50	-1.50	0.00		0.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
12	5.17	0.202-00	2.00	-0.00	-2.20	-0.00	-0.05	0.00	0.00	13	24.00	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.00	-0.20	-2.20	-0.00	-0.05	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.57	1.57	2.00	0.50	-1.50	0.00		0.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	
13	5.17	0.202-00	2.29	-0.20	-2.32	-0.00	-0.05	0.00	0.00	14	24.00	0.042-00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	2.29	-0.20	-2.32	-0.00	-0.05	0.00	0.00		-0.00	0.00	0.12	-0.20	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	1.57	1.57	2.00	0.50	-1.50	0.00		0.00	0.00	0.00	0.00	0.40	0.14	0.00	0.00	0.00	

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000001IVE WIND FORCE DATA

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PROPELLSIVE MING FORCE DATA

SUMMARY, SUB 100

PT	ALPHA DATA	NET WGT HEIGHT	CL 15 CMT 15 CHNC	CPM15 CMT 15 CHNC	CMR15 CMT 15 CHNC	CTM15 CMT 15 CHNC	CSF 15 CMT 15 CHNC
1	10.50 7.00	0.502-00 05.02	2.07 0.00	-1.73 0.00	-0.01 0.00	-0.00 0.00	-0.12 0.12
2	10.00 10.01	0.512-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
3	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
4	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
5	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
6	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
7	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
8	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
9	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
10	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
11	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
12	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
13	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12

PROPELLSIVE MING FORCE DATA

SUMMARY, SUB 101

PT	ALPHA DATA	NET WGT HEIGHT	CL 15 CMT 15 CHNC	CPM15 CMT 15 CHNC	CMR15 CMT 15 CHNC	CTM15 CMT 15 CHNC	CSF 15 CMT 15 CHNC
1	10.50 7.00	0.502-00 05.02	2.07 0.00	-1.73 0.00	-0.01 0.00	-0.00 0.00	-0.12 0.12
2	10.00 10.01	0.512-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
3	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
4	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
5	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
6	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
7	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
8	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
9	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
10	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
11	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
12	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12
13	10.00 10.01	0.502-00 05.02	2.00 0.00	-1.70 0.00	-0.00 0.00	-0.00 0.00	-0.07 0.12

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PROPELLSIVE MING FORCE DATA

PT	Q	SUMMARY					SUM 100				
		ALPHA	DELTA	DELTA	DELTA	DELTA	CL 15	CL 15	CL 15	CL 15	CL 15
							CL 15	CL 15	CL 15	CL 15	CL 15
1	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	Q	SUMMARY					SUM 100				
		ALPHA	DELTA	DELTA	DELTA	DELTA	CL 15	CL 15	CL 15	CL 15	CL 15
							CL 15	CL 15	CL 15	CL 15	CL 15
1	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPULSIVE WIND FORCE DATA

SUMMARY. 000 107

PI	Q	ALPHA	BETA	REV	NO	CLS	CM15	CM16	CM17	CM18	CM19	CM20	CM21	CM22	CM23	CM24	CM25	CM26	CM27	CM28	CM29	CM30	CM31	CM32	CM33	CM34	CM35	CM36	CM37	CM38	CM39	CM40	CM41	CM42	CM43	CM44	CM45	CM46	CM47	CM48	CM49	CM50	CM51	CM52	CM53	CM54	CM55	CM56	CM57	CM58	CM59	CM60	CM61	CM62	CM63	CM64	CM65	CM66	CM67	CM68	CM69	CM70	CM71	CM72	CM73	CM74	CM75	CM76	CM77	CM78	CM79	CM80	CM81	CM82	CM83	CM84	CM85	CM86	CM87	CM88	CM89	CM90	CM91	CM92	CM93	CM94	CM95	CM96	CM97	CM98	CM99	CM100	CM101	CM102	CM103	CM104	CM105	CM106	CM107	CM108	CM109	CM110	CM111	CM112	CM113	CM114	CM115	CM116	CM117	CM118	CM119	CM120	CM121	CM122	CM123	CM124	CM125	CM126	CM127	CM128	CM129	CM130	CM131	CM132	CM133	CM134	CM135	CM136	CM137	CM138	CM139	CM140	CM141	CM142	CM143	CM144	CM145	CM146	CM147	CM148	CM149	CM150	CM151	CM152	CM153	CM154	CM155	CM156	CM157	CM158	CM159	CM160	CM161	CM162	CM163	CM164	CM165	CM166	CM167	CM168	CM169	CM170	CM171	CM172	CM173	CM174	CM175	CM176	CM177	CM178	CM179	CM180	CM181	CM182	CM183	CM184	CM185	CM186	CM187	CM188	CM189	CM190	CM191	CM192	CM193	CM194	CM195	CM196	CM197	CM198	CM199	CM200	CM201	CM202	CM203	CM204	CM205	CM206	CM207	CM208	CM209	CM210	CM211	CM212	CM213	CM214	CM215	CM216	CM217	CM218	CM219	CM220	CM221	CM222	CM223	CM224	CM225	CM226	CM227	CM228	CM229	CM230	CM231	CM232	CM233	CM234	CM235	CM236	CM237	CM238	CM239	CM240	CM241	CM242	CM243	CM244	CM245	CM246	CM247	CM248	CM249	CM250	CM251	CM252	CM253	CM254	CM255	CM256	CM257	CM258	CM259	CM260	CM261	CM262	CM263	CM264	CM265	CM266	CM267	CM268	CM269	CM270	CM271	CM272	CM273	CM274	CM275	CM276	CM277	CM278	CM279	CM280	CM281	CM282	CM283	CM284	CM285	CM286	CM287	CM288	CM289	CM290	CM291	CM292	CM293	CM294	CM295	CM296	CM297	CM298	CM299	CM300	CM301	CM302	CM303	CM304	CM305	CM306	CM307	CM308	CM309	CM310	CM311	CM312	CM313	CM314	CM315	CM316	CM317	CM318	CM319	CM320	CM321	CM322	CM323	CM324	CM325	CM326	CM327	CM328	CM329	CM330	CM331	CM332	CM333	CM334	CM335	CM336	CM337	CM338	CM339	CM340	CM341	CM342	CM343	CM344	CM345	CM346	CM347	CM348	CM349	CM350	CM351	CM352	CM353	CM354	CM355	CM356	CM357	CM358	CM359	CM360	CM361	CM362	CM363	CM364	CM365	CM366	CM367	CM368	CM369	CM370	CM371	CM372	CM373	CM374	CM375	CM376	CM377	CM378	CM379	CM380	CM381	CM382	CM383	CM384	CM385	CM386	CM387	CM388	CM389	CM390	CM391	CM392	CM393	CM394	CM395	CM396	CM397	CM398	CM399	CM400	CM401	CM402	CM403	CM404	CM405	CM406	CM407	CM408	CM409	CM410	CM411	CM412	CM413	CM414	CM415	CM416	CM417	CM418	CM419	CM420	CM421	CM422	CM423	CM424	CM425	CM426	CM427	CM428	CM429	CM430	CM431	CM432	CM433	CM434	CM435	CM436	CM437	CM438	CM439	CM440	CM441	CM442	CM443	CM444	CM445	CM446	CM447	CM448	CM449	CM450	CM451	CM452	CM453	CM454	CM455	CM456	CM457	CM458	CM459	CM460	CM461	CM462	CM463	CM464	CM465	CM466	CM467	CM468	CM469	CM470	CM471	CM472	CM473	CM474	CM475	CM476	CM477	CM478	CM479	CM480	CM481	CM482	CM483	CM484	CM485	CM486	CM487	CM488	CM489	CM490	CM491	CM492	CM493	CM494	CM495	CM496	CM497	CM498	CM499	CM500	CM501	CM502	CM503	CM504	CM505	CM506	CM507	CM508	CM509	CM510	CM511	CM512	CM513	CM514	CM515	CM516	CM517	CM518	CM519	CM520	CM521	CM522	CM523	CM524	CM525	CM526	CM527	CM528	CM529	CM530	CM531	CM532	CM533	CM534	CM535	CM536	CM537	CM538	CM539	CM540	CM541	CM542	CM543	CM544	CM545	CM546	CM547	CM548	CM549	CM550	CM551	CM552	CM553	CM554	CM555	CM556	CM557	CM558	CM559	CM560	CM561	CM562	CM563	CM564	CM565	CM566	CM567	CM568	CM569	CM570	CM571	CM572	CM573	CM574	CM575	CM576	CM577	CM578	CM579	CM580	CM581	CM582	CM583	CM584	CM585	CM586	CM587	CM588	CM589	CM590	CM591	CM592	CM593	CM594	CM595	CM596	CM597	CM598	CM599	CM600	CM601	CM602	CM603	CM604	CM605	CM606	CM607	CM608	CM609	CM610	CM611	CM612	CM613	CM614	CM615	CM616	CM617	CM618	CM619	CM620	CM621	CM622	CM623	CM624	CM625	CM626	CM627	CM628	CM629	CM630	CM631	CM632	CM633	CM634	CM635	CM636	CM637	CM638	CM639	CM640	CM641	CM642	CM643	CM644	CM645	CM646	CM647	CM648	CM649	CM650	CM651	CM652	CM653	CM654	CM655	CM656	CM657	CM658	CM659	CM660	CM661	CM662	CM663	CM664	CM665	CM666	CM667	CM668	CM669	CM670	CM671	CM672	CM673	CM674	CM675	CM676	CM677	CM678	CM679	CM680	CM681	CM682	CM683	CM684	CM685	CM686	CM687	CM688	CM689	CM690	CM691	CM692	CM693	CM694	CM695	CM696	CM697	CM698	CM699	CM700	CM701	CM702	CM703	CM704	CM705	CM706	CM707	CM708	CM709	CM710	CM711	CM712	CM713	CM714	CM715	CM716	CM717	CM718	CM719	CM720	CM721	CM722	CM723	CM724	CM725	CM726	CM727	CM728	CM729	CM730	CM731	CM732	CM733	CM734	CM735	CM736	CM737	CM738	CM739	CM740	CM741	CM742	CM743	CM744	CM745	CM746	CM747	CM748	CM749	CM750	CM751	CM752	CM753	CM754	CM755	CM756	CM757	CM758	CM759	CM760	CM761	CM762	CM763	CM764	CM765	CM766	CM767	CM768	CM769	CM770	CM771	CM772	CM773	CM774	CM775	CM776	CM777	CM778	CM779	CM780	CM781	CM782	CM783	CM784	CM785	CM786	CM787	CM788	CM789	CM790	CM791	CM792	CM793	CM794	CM795	CM796	CM797	CM798	CM799	CM800	CM801	CM802	CM803	CM804	CM805	CM806	CM807	CM808	CM809	CM810	CM811	CM812	CM813	CM814	CM815	CM816	CM817	CM818	CM819	CM820	CM821	CM822	CM823	CM824	CM825	CM826	CM827	CM828	CM829	CM830	CM831	CM832	CM833	CM834	CM835	CM836	CM837	CM838	CM839	CM840	CM841	CM842	CM843	CM844	CM845	CM846	CM847	CM848	CM849	CM850	CM851	CM852	CM853	CM854	CM855	CM856	CM857	CM858	CM859	CM860	CM861	CM862	CM863	CM864	CM865	CM866	CM867	CM868	CM869	CM870	CM871	CM872	CM873	CM874	CM875	CM876	CM877	CM878	CM879	CM880	CM881	CM882	CM883	CM884	CM885	CM886	CM887	CM888	CM889	CM890	CM891	CM892	CM893	CM894	CM895	CM896	CM897	CM898	CM899	CM900	CM901	CM902	CM903	CM904	CM905	CM906	CM907	CM908	CM909	CM910	CM911	CM912	CM913	CM914	CM915	CM916	CM917	CM918	CM919	CM920	CM921	CM922	CM923	CM924	CM925	CM926	CM927	CM928	CM929	CM930	CM931	CM932	CM933	CM934	CM935	CM936	CM937	CM938	CM939	CM940	CM941	CM942	CM943	CM944	CM945	CM946	CM947	CM948	CM949	CM950	CM951	CM952	CM953	CM954	CM955	CM956	CM957	CM958	CM959	CM960	CM961	CM962	CM963	CM964	CM965	CM966	CM967	CM968	CM969	CM970	CM971	CM972	CM973	CM974	CM975	CM976	CM977	CM978	CM979	CM980	CM981	CM982	CM983	CM984	CM985	CM986	CM987	CM988	CM989	CM990	CM991	CM992	CM993	CM994	CM995	CM996	CM997	CM998	CM999	CM1000	CM1001	CM1002	CM1003	CM1004	CM1005	CM1006	CM1007	CM1008	CM1009	CM1010	CM1011	CM1012	CM1013	CM1014	CM1015	CM1016	CM1017	CM1018	CM1019	CM1020	CM1021	CM1022	CM1023	CM1024	CM1025	CM1026	CM1027	CM1028	CM1029	CM1030	CM1031	CM1032	CM1033	CM1034	CM1035	CM1036	CM1037	CM1038	CM1039	CM1040	CM1041	CM1042	CM1043	CM1044	CM1045	CM1046	CM1047	CM1048	CM1049	CM1050	CM1051	CM1052	CM1053	CM1054	CM1055	CM1056	CM1057	CM1058	CM1059	CM1060	CM1061	CM1062	CM1063	CM1064	CM1065	CM1066	CM1067	CM1068	CM1069	CM1070	CM1071	CM1072	CM1073	CM1074	CM1075	CM1076	CM1077	CM1078	CM1079	CM1080	CM1081	CM1082	CM1083	CM1084	CM1085	CM1086	CM1087	CM1088	CM1089	CM1090	CM1091	CM1092	CM1093	CM1094	CM1095	CM1096	CM1097	CM1098	CM1099	CM1100	CM1101	CM1102	CM1103	CM1104	CM1105	CM1106	CM1107	CM1108	CM1109	CM1110	CM1111	CM1112	CM1113	CM1114	CM1115	CM1116	CM1117	CM1118	CM1119	CM1120	CM1121	CM1122	CM1123	CM1124	CM1125	CM1126	CM1127	CM1128	CM1129	CM1130	CM1131	CM1132	CM1133	CM1134	CM1135	CM1136	CM1137	CM1138	CM1139	CM1140	CM1141	CM1142	CM1143	CM1144	CM1145	CM1146	CM1147	CM1148	CM1149	CM1150	CM1151	CM1152	CM1153	CM1154	CM1155	CM1156	CM1157	CM1158	CM1159	CM1160	CM1161	CM1162	CM1163	CM1164	CM1165	CM1166	CM1167	CM1168	CM1169	CM1170	CM1171	CM1172	CM1173	CM1174	CM1175	CM1176	CM1177	CM1178	CM1179	CM1180	CM1181	CM1182	CM1183	CM1184	CM1185	CM1186	CM1187	CM1188	CM1189	CM1190	CM1191	CM1192	CM1193	CM1194	CM1195	CM1196	CM1197	CM1198	CM1199	CM1200	CM1201	CM1202	CM1203	CM1204	CM1205	CM1206	CM1207	CM1208	CM1209	CM1210	CM1211	CM1212	CM1213	CM1214	CM1215	CM1216	CM1217	CM1218	CM1219	CM1220	CM1221	CM1222	CM1223	CM1224	CM1225	CM1226	CM1227	CM1228	CM1229	CM1230	CM1231	CM1232	CM1233	CM1234	CM1235	CM1236	CM1237	CM1238	CM1239	CM1240	CM1241	CM1242	CM1243	CM1244	CM1245	CM1246	CM1247	CM1248	CM1249	CM1250	CM1251	CM1252	CM1253	CM1254	CM1255	CM1256	CM1257	CM1258	CM1259	CM1260	CM1261	CM1262	CM1263	CM1264	CM1265	CM1266	CM1267	CM1268	CM1269	CM1270	CM1271	CM1272	CM1273	CM1274	CM1275	CM1276	CM1277	CM1278	CM1279	CM1280	CM1281	CM1282	CM1283	CM1284	CM1285	CM1286	CM1287	CM1288	CM1289	CM1290	CM1291	CM1292	CM1293	CM1294	CM1295	CM1296	CM1297	CM1298	CM1299	CM1300	CM1301	CM1302	CM1303	CM1304	CM1305	CM1306	CM1307	CM1308	CM1309	CM1310	CM1311	CM1312	CM1313	CM1314	CM1315	CM1316	CM1317	CM1318	CM1319	CM1320	CM1321	CM1322	CM1323	CM1324	CM1325	CM1326	CM1327	CM1328	CM1329	CM1330	CM1331	CM1332	CM1333	CM1334	CM1335	CM1336	CM1337	CM1338	CM1339	CM1340	CM1341	CM1342	CM1343	CM1344	CM1345	CM1346	CM1347	CM1348	CM1349	CM1350	CM1351	CM1352	CM1353	CM1354	CM1355
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PROGRESSIVE WING FORCE DATA

S H W A S V. 20 11 199

PT	ALPHA BETA	Q	REV NO HEIGHT	CL15 CH15 CL16 CH16	CB15 CAP 15 CH15	CP15 CP15 CH15 CH15	CT15 CH15 CL15 CH15	CS15 CH15 CH15 CH15	CS15 CH15
1	28.88	0.07	0.95E+08 BL 14	0.82 0.84	0.20 0.00	-0.30 -0.35 0.00	-0.01 -0.01 0.78	-0.01 -0.01 0.21	-0.20 -0.30 -0.34
2	30.23	0.09	0.95E+08 BL 14	0.83 0.85 0.86	0.20 0.00	-0.25 -0.25 0.00	-0.01 -0.01 0.80	-0.01 -0.01 0.22	-0.13 -0.13 -0.33
3	28.88	0.09	0.95E+08 BL 14	0.85 0.87 0.86	0.20 0.00	-0.37 -0.37 0.00	-0.01 0.00 0.83	0.00 0.00 0.72	-0.10 -0.10 -0.30
4	28.88	0.10	0.95E+08 BL 14	0.84 0.86 0.86	0.20 0.00	-0.36 -0.36 0.00	0.00 0.00 0.81	0.00 0.00 0.22	-0.07 -0.07 -0.35
5	28.77	0.10	0.95E+08 BL 14	0.84 0.86 0.86	0.21 0.00	-0.36 0.00	0.00 0.81	-0.01 0.22	-0.04 -0.25
6	28.88	0.11	0.95E+08 BL 14	0.83 0.85 0.86	0.20 0.00	-0.35 -0.35 0.00	0.00 0.81	0.00 0.72	-0.02 -0.02 -0.34
7	28.88	0.12	0.95E+08 BL 14	0.83 0.85 0.86	0.21 0.00	-0.35 -0.35 0.00	0.00 0.80	0.00 0.22	0.01 -0.33
8	28.77	0.11	0.95E+08 BL 14	0.83 0.85 0.86	0.21 0.00	-0.36 -0.36 0.00	0.00 0.81	0.00 0.72	0.03 -0.34
9	28.88	0.12	0.95E+08 BL 14	0.82 0.84 0.86	0.20 0.00	-0.35 -0.35 0.00	0.01 0.81	0.00 0.05	0.05 -0.33
10	30.00	0.12	0.95E+08 BL 14	0.84 0.86 0.86	0.20 0.00	-0.36 -0.36 0.00	0.01 0.81	0.00 0.22	0.06 -0.35
11	30.12	0.12	0.95E+08 BL 14	0.84 0.86 0.86	0.20 0.00	-0.36 -0.36 0.00	0.01 0.81	0.00 0.22	0.11 -0.35
12	30.00	0.12	0.95E+08 BL 14	0.85 0.87 0.87	0.20 0.00	-0.38 -0.38 0.00	0.01 0.82	0.00 0.22	0.13 -0.36
13	28.88	0.12	0.95E+08 BL 14	0.83 0.85 0.86	0.18 0.00	-0.25 -0.25 0.00	0.01 0.78	0.01 0.21	0.21 -0.34

PROPELLSIVE MING FORCE DATA

SUMMARY.

PT	ALPHA DATA	DET W NET/MT	CL 15 CAY 15 CHOC	CPH 15 CPH 15 CHMT	CPH 15 CPH 15 CL 15	CPH 15 CPH 15 CHMT	CS 15 CAY 15 CHOC	CS 15 CAY 15 CHOC	CS 15 CAY 15 CHOC
1	3.20	0.40E+00	2.10	-0.40	-2.22	-0.02	0.00	-0.20	0.00
	-0.01	0.40E+00	2.10	-0.40	-2.22	-0.02	0.00	-0.20	0.00
	15.01	87.04	0.00	1.00	1.00	1.01	0.54	-1.43	0.00
2	3.20	0.40E+00	2.10	-0.42	-2.17	-0.02	0.00	-0.10	0.00
	-0.01	0.40E+00	2.10	-0.42	-2.17	-0.02	0.00	-0.10	0.00
	10.01	87.04	0.00	1.07	1.07	1.02	0.56	-1.41	0.00
3	3.20	0.40E+00	2.10	-0.40	-2.23	-0.02	0.00	-0.15	0.00
	-0.01	0.40E+00	2.10	-0.40	-2.23	-0.02	0.00	-0.15	0.00
	0.01	87.04	0.00	1.05	1.05	1.04	0.58	-1.44	0.00
4	3.20	0.40E+00	2.11	-0.44	-2.18	-0.02	0.00	-0.13	0.00
	-0.01	0.40E+00	2.11	-0.44	-2.18	-0.02	0.00	-0.13	0.00
	0.01	87.04	0.00	1.07	1.07	1.01	0.54	-1.41	0.00
5	3.17	0.40E+00	2.23	-0.40	-2.26	-0.02	0.00	-0.00	0.00
	-0.01	0.40E+00	2.23	-0.40	-2.26	-0.02	0.00	-0.00	0.00
	0.00	87.04	0.00	2.02	2.02	1.87	0.57	-1.47	0.00
6	3.20	0.40E+00	2.14	-0.40	-2.23	-0.02	0.00	-0.03	0.00
	-0.01	0.40E+00	2.14	-0.40	-2.23	-0.02	0.00	-0.03	0.00
	2.01	87.04	0.00	1.00	1.00	1.00	0.58	-1.44	0.00
7	3.20	0.40E+00	2.10	-0.40	-2.24	-0.02	0.00	0.02	0.00
	-0.01	0.40E+00	2.10	-0.40	-2.24	-0.02	0.00	0.02	0.00
	0.00	87.04	0.00	1.00	1.00	1.02	0.58	-1.45	0.00
8	3.20	0.40E+00	2.10	-0.40	-2.24	-0.02	0.00	0.01	0.00
	-0.01	0.40E+00	2.10	-0.40	-2.24	-0.02	0.00	0.01	0.00
	0.00	87.04	0.00	1.00	1.00	1.02	0.58	-1.45	0.00
9	3.17	0.40E+00	2.23	-0.40	-2.26	-0.02	0.00	0.07	0.00
	-0.01	0.40E+00	2.23	-0.40	-2.26	-0.02	0.00	0.07	0.00
	0.00	87.04	0.00	1.04	1.04	1.00	0.57	-1.46	0.00
10	3.20	0.40E+00	2.10	-0.40	-2.24	-0.02	0.00	0.12	0.00
	-0.01	0.40E+00	2.10	-0.40	-2.24	-0.02	0.00	0.12	0.00
	0.00	87.04	0.00	1.05	1.05	1.01	0.58	-1.44	0.00
11	3.20	0.40E+00	2.23	-0.40	-2.26	-0.02	0.00	0.10	0.00
	-0.01	0.40E+00	2.23	-0.40	-2.26	-0.02	0.00	0.10	0.00
	0.00	86.93	0.00	1.00	1.00	1.00	0.57	-1.45	0.00
12	3.17	0.40E+00	2.21	-0.40	-2.25	-0.02	0.00	0.20	0.00
	-0.01	0.40E+00	2.21	-0.40	-2.25	-0.02	0.00	0.20	0.00
	0.00	86.93	0.00	1.07	1.07	1.02	0.57	-1.44	0.00
13	3.20	0.40E+00	2.10	-0.44	-2.18	-0.02	0.00	0.20	0.00
	-0.01	0.40E+00	2.10	-0.44	-2.18	-0.02	0.00	0.20	0.00
	0.00	86.93	0.00	1.04	1.04	1.01	0.57	-1.45	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY.

PT	ALPHA DATA	DET W NET/MT	CL 15 CAY 15 CHOC	CPH 15 CPH 15 CHMT	CPH 15 CPH 15 CL 15	CPH 15 CPH 15 CHMT	CS 15 CAY 15 CHOC	CS 15 CAY 15 CHOC	CS 15 CAY 15 CHOC
1	3.17	0.40E+00	2.10	-0.50	-2.24	-0.02	0.00	-0.00	0.00
	-0.01	0.40E+00	2.10	-0.50	-2.24	-0.02	0.00	-0.00	0.00
	0.01	86.32	0.00	2.00	2.00	1.50	0.52	-1.44	0.00
2	3.17	0.40E+00	2.22	-0.45	-2.27	-0.02	0.00	-0.01	0.00
	-0.01	0.40E+00	2.22	-0.45	-2.27	-0.02	0.00	-0.01	0.00
	0.01	87.72	0.00	2.00	2.00	1.54	0.50	-1.47	0.00
3	3.17	0.40E+00	2.25	-0.24	-2.20	-0.02	0.00	-0.00	0.00
	-0.01	0.40E+00	2.25	-0.24	-2.20	-0.02	0.00	-0.00	0.00
	0.01	86.41	0.00	1.00	1.00	1.74	0.52	-1.40	0.00
4	3.20	0.40E+00	2.40	-0.21	-2.20	-0.02	0.00	-0.00	0.00
	-0.01	0.40E+00	2.40	-0.21	-2.20	-0.02	0.00	-0.00	0.00
	0.01	83.77	0.00	1.00	1.00	1.84	0.50	-1.51	0.00
5	3.20	0.40E+00	2.50	-0.07	-2.20	-0.02	0.00	-0.01	0.00
	-0.01	0.40E+00	2.50	-0.07	-2.20	-0.02	0.00	-0.01	0.00
	0.01	86.00	0.00	1.00	1.00	2.02	0.52	-1.57	0.00
6	3.20	0.40E+00	2.51	-0.07	-2.41	-0.02	0.00	-0.02	0.00
	-0.01	0.40E+00	2.51	-0.07	-2.41	-0.02	0.00	-0.02	0.00
	0.01	82.70	0.00	1.00	1.00	2.13	0.50	-1.61	0.00
7	3.00	0.20E+00	4.10	-0.20	-2.50	-0.02	0.00	-0.00	0.00
	-0.01	0.20E+00	4.10	-0.20	-2.50	-0.02	0.00	-0.00	0.00
	0.01	81.51	0.00	2.00	2.00	2.31	0.50	-1.72	0.00
8	3.20	0.40E+00	4.10	-0.37	-2.52	-0.02	0.00	-0.00	0.00
	-0.01	0.40E+00	4.10	-0.37	-2.52	-0.02	0.00	-0.00	0.00
	0.01	88.70	0.00	1.00	1.00	2.41	0.53	-1.73	0.00
9	3.20	0.40E+00	4.21	-0.51	-2.40	-0.02	0.00	-0.01	0.00
	-0.01	0.40E+00	4.21	-0.51	-2.40	-0.02	0.00	-0.01	0.00
	0.01	85.20	0.00	1.00	1.00	2.44	0.51	-1.80	0.00
10	3.17	0.40E+00	4.00	-0.00	-2.50	-0.02	0.00	-0.01	0.00
	-0.01	0.40E+00	4.00	-0.00	-2.50	-0.02	0.00	-0.01	0.00
	0.01	84.40	0.00	2.00	2.00	2.57	0.54	-1.76	0.00
11	3.17	0.40E+00	4.50	-0.00	-2.50	-0.02	0.00	-0.01	0.00
	-0.01	0.40E+00	4.50	-0.00	-2.50	-0.02	0.00	-0.01	0.00
	0.01	84.70	0.00	2.01	2.01	2.60	0.55	-1.77	0.00
12	3.17	0.40E+00	4.57	-1.03	-2.50	-0.02	0.00	-0.02	0.00
	-0.01	0.40E+00	4.57	-1.03	-2.50	-0.02	0.00	-0.02	0.00
	0.00	82.04	0.00	2.02	2.02	2.71	0.56	-1.70	0.00
13	3.20	0.40E+00	4.55	-1.20	-2.50	-0.02	0.00	-0.03	0.00
	-0.01	0.40E+00	4.55	-1.20	-2.50	-0.02	0.00	-0.03	0.00
	0.01	80.20	0.00	1.07	1.07	2.71	0.56	-1.70	0.00

PROPELLSIVE MING FORCE DATA

PI	SUMMARY					SUMMARY					SUMMARY				
	ALPHA DETA	REF NO HEIGHT	CL 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC	CL 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC	CL 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC	CL 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC	CL 15 CMT 15 CHNC	CPH 15 CMT 15 CHNC
1	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
2	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
3	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
4	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
5	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
6	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
7	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
8	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
9	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
10	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
11	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
12	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
13	5.17	0.440-00	2.11	-0.17	-2.25	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02

PROBATIVE WING FORCE DATA												
SUMMARY, RUN 101												
PT	ALPHA DETA	DRY AND WETNESS	CL 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC	CPW 15 CAP 15 CHOC
2	0.09	0.20E+00	0.09	0.03	-1.00	1.20	0.22	0.22	0.22	0.22	0.22	0.22
	-0.01	43.00	0.00	0.31	0.31	-1.07	7.00	7.00	7.00	7.00	7.00	7.00
3	0.09	0.20E+00	1.03	0.04	-0.23	0.00	0.24	0.24	0.24	0.24	0.24	0.24
	-0.01	43.10	0.00	0.00	0.00	-0.71	0.71	0.71	0.71	0.71	0.71	0.71

PROPELLSIVE WINDS FORCE DATA									
SUMMARY.									
PT	ALPHA DATA	DELTA WIND VELOCITY	CL15 CST 15 CST 15 CST 15	CL16 CST 16 CST 16 CST 16	CL17 CST 17 CST 17 CST 17	CL18 CST 18 CST 18 CST 18	CL19 CST 19 CST 19 CST 19	CL20 CST 20 CST 20 CST 20	CL21 CST 21 CST 21 CST 21
1	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
2	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
3	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
4	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
5	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
6	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
7	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
8	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
9	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
10	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
11	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
12	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01
13	1.27 -2.01 -0.01	0.20E+00 0.20E+00 0.20E+00	7.03 6.03 6.00	-2.00 -2.25 0.27	-0.20 -0.20 1.50	-0.00 -0.07 0.04	-0.07 -0.07 -0.04	-0.01 -0.01 -0.01	-0.01 -0.01 -0.01

PROPELLSIVE MING FORCE DATA

PI	ALPHA DATA	DELTA MOMENT	SUMMARY				SUM				DATA			
			CL 15 CMT 15 CMT 15	CL 16 CMT 16 CMT 16	CL 17 CMT 17 CMT 17	CL 18 CMT 18 CMT 18	CL 19 CMT 19 CMT 19	CL 20 CMT 20 CMT 20	CL 21 CMT 21 CMT 21	CL 22 CMT 22 CMT 22	CL 23 CMT 23 CMT 23	CL 24 CMT 24 CMT 24	CL 25 CMT 25 CMT 25	CL 26 CMT 26 CMT 26
2	0.00	0.305-00	28.48	-27.28	-27.28	-27.28	-27.28	-27.28	-27.28	-27.28	-27.28	-27.28	-27.28	-27.28
	-0.01	43.48	7.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
3	0.00	0.305-00	37.02	-78.07	-78.07	-78.07	-78.07	-78.07	-78.07	-78.07	-78.07	-78.07	-78.07	-78.07
	-0.01	43.48	34.04	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
4	0.00	0.305-00	82.72	-82.02	-82.02	-82.02	-82.02	-82.02	-82.02	-82.02	-82.02	-82.02	-82.02	-82.02
	-0.01	43.48	37.00	54.70	54.70	54.70	54.70	54.70	54.70	54.70	54.70	54.70	54.70	54.70
5	0.00	0.305-00	148.00	-129.00	-129.00	-129.00	-129.00	-129.00	-129.00	-129.00	-129.00	-129.00	-129.00	-129.00
	-0.01	43.48	147.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00	129.00
6	0.00	0.305-00	128.00	-144.00	-144.00	-144.00	-144.00	-144.00	-144.00	-144.00	-144.00	-144.00	-144.00	-144.00
	-0.01	43.48	128.00	144.00	144.00	144.00	144.00	144.00	144.00	144.00	144.00	144.00	144.00	144.00

PROPELLSIVE MING FORCE DATA

PI	ALPHA DATA	DELTA MOMENT	SUMMARY				SUM				DATA			
			CL 15 CMT 15 CMT 15	CL 16 CMT 16 CMT 16	CL 17 CMT 17 CMT 17	CL 18 CMT 18 CMT 18	CL 19 CMT 19 CMT 19	CL 20 CMT 20 CMT 20	CL 21 CMT 21 CMT 21	CL 22 CMT 22 CMT 22	CL 23 CMT 23 CMT 23	CL 24 CMT 24 CMT 24	CL 25 CMT 25 CMT 25	CL 26 CMT 26 CMT 26
2	0.00	0.305-00	-2.71	-0.10	18.00	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14
	-0.01	87.43	0.00	0.00	0.00	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00
3	0.00	0.305-00	28.82	-22.40	-278.10	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
	-0.01	87.43	0.00	21.31	41.31	18.71	18.71	18.71	18.71	18.71	18.71	18.71	18.71	18.71
4	0.00	0.305-00	84.00	-37.40	-83.00	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	-0.01	87.43	0.00	37.40	83.00	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52

PROFESSIVE WING FORCE DATA

[illegible]

PROPERTY AND FORCE DATA

PT	ALPHA DATA	REV AND RECORD	CL 15 COP 15 COPC	CL 16 COP 16 COPC	CL 17 COP 17 COPC	CL 18 COP 18 COPC	CL 19 COP 19 COPC	CL 20 COP 20 COPC	CL 21 COP 21 COPC	CL 22 COP 22 COPC	CL 23 COP 23 COPC	CL 24 COP 24 COPC	CL 25 COP 25 COPC	CL 26 COP 26 COPC	CL 27 COP 27 COPC	CL 28 COP 28 COPC	CL 29 COP 29 COPC	CL 30 COP 30 COPC	CL 31 COP 31 COPC	CL 32 COP 32 COPC	CL 33 COP 33 COPC	CL 34 COP 34 COPC	CL 35 COP 35 COPC	CL 36 COP 36 COPC	CL 37 COP 37 COPC	CL 38 COP 38 COPC	CL 39 COP 39 COPC	CL 40 COP 40 COPC	CL 41 COP 41 COPC	CL 42 COP 42 COPC	CL 43 COP 43 COPC	CL 44 COP 44 COPC	CL 45 COP 45 COPC	CL 46 COP 46 COPC	CL 47 COP 47 COPC	CL 48 COP 48 COPC	CL 49 COP 49 COPC	CL 50 COP 50 COPC	CL 51 COP 51 COPC	CL 52 COP 52 COPC	CL 53 COP 53 COPC	CL 54 COP 54 COPC	CL 55 COP 55 COPC	CL 56 COP 56 COPC	CL 57 COP 57 COPC	CL 58 COP 58 COPC	CL 59 COP 59 COPC	CL 60 COP 60 COPC	CL 61 COP 61 COPC	CL 62 COP 62 COPC	CL 63 COP 63 COPC	CL 64 COP 64 COPC	CL 65 COP 65 COPC	CL 66 COP 66 COPC	CL 67 COP 67 COPC	CL 68 COP 68 COPC	CL 69 COP 69 COPC	CL 70 COP 70 COPC	CL 71 COP 71 COPC	CL 72 COP 72 COPC	CL 73 COP 73 COPC	CL 74 COP 74 COPC	CL 75 COP 75 COPC	CL 76 COP 76 COPC	CL 77 COP 77 COPC	CL 78 COP 78 COPC	CL 79 COP 79 COPC	CL 80 COP 80 COPC	CL 81 COP 81 COPC	CL 82 COP 82 COPC	CL 83 COP 83 COPC	CL 84 COP 84 COPC	CL 85 COP 85 COPC	CL 86 COP 86 COPC	CL 87 COP 87 COPC	CL 88 COP 88 COPC	CL 89 COP 89 COPC	CL 90 COP 90 COPC	CL 91 COP 91 COPC	CL 92 COP 92 COPC	CL 93 COP 93 COPC	CL 94 COP 94 COPC	CL 95 COP 95 COPC	CL 96 COP 96 COPC	CL 97 COP 97 COPC	CL 98 COP 98 COPC	CL 99 COP 99 COPC	CL 100 COP 100 COPC	CL 101 COP 101 COPC	CL 102 COP 102 COPC	CL 103 COP 103 COPC	CL 104 COP 104 COPC	CL 105 COP 105 COPC	CL 106 COP 106 COPC	CL 107 COP 107 COPC	CL 108 COP 108 COPC	CL 109 COP 109 COPC	CL 110 COP 110 COPC	CL 111 COP 111 COPC	CL 112 COP 112 COPC	CL 113 COP 113 COPC	CL 114 COP 114 COPC	CL 115 COP 115 COPC	CL 116 COP 116 COPC	CL 117 COP 117 COPC	CL 118 COP 118 COPC	CL 119 COP 119 COPC	CL 120 COP 120 COPC	CL 121 COP 121 COPC	CL 122 COP 122 COPC	CL 123 COP 123 COPC	CL 124 COP 124 COPC	CL 125 COP 125 COPC	CL 126 COP 126 COPC	CL 127 COP 127 COPC	CL 128 COP 128 COPC	CL 129 COP 129 COPC	CL 130 COP 130 COPC	CL 131 COP 131 COPC	CL 132 COP 132 COPC	CL 133 COP 133 COPC	CL 134 COP 134 COPC	CL 135 COP 135 COPC	CL 136 COP 136 COPC	CL 137 COP 137 COPC	CL 138 COP 138 COPC	CL 139 COP 139 COPC	CL 140 COP 140 COPC	CL 141 COP 141 COPC	CL 142 COP 142 COPC	CL 143 COP 143 COPC	CL 144 COP 144 COPC	CL 145 COP 145 COPC	CL 146 COP 146 COPC	CL 147 COP 147 COPC	CL 148 COP 148 COPC	CL 149 COP 149 COPC	CL 150 COP 150 COPC	CL 151 COP 151 COPC	CL 152 COP 152 COPC	CL 153 COP 153 COPC	CL 154 COP 154 COPC	CL 155 COP 155 COPC	CL 156 COP 156 COPC	CL 157 COP 157 COPC	CL 158 COP 158 COPC	CL 159 COP 159 COPC	CL 160 COP 160 COPC	CL 161 COP 161 COPC	CL 162 COP 162 COPC	CL 163 COP 163 COPC	CL 164 COP 164 COPC	CL 165 COP 165 COPC	CL 166 COP 166 COPC	CL 167 COP 167 COPC	CL 168 COP 168 COPC	CL 169 COP 169 COPC	CL 170 COP 170 COPC	CL 171 COP 171 COPC	CL 172 COP 172 COPC	CL 173 COP 173 COPC	CL 174 COP 174 COPC	CL 175 COP 175 COPC	CL 176 COP 176 COPC	CL 177 COP 177 COPC	CL 178 COP 178 COPC	CL 179 COP 179 COPC	CL 180 COP 180 COPC	CL 181 COP 181 COPC	CL 182 COP 182 COPC	CL 183 COP 183 COPC	CL 184 COP 184 COPC	CL 185 COP 185 COPC	CL 186 COP 186 COPC	CL 187 COP 187 COPC	CL 188 COP 188 COPC	CL 189 COP 189 COPC	CL 190 COP 190 COPC	CL 191 COP 191 COPC	CL 192 COP 192 COPC	CL 193 COP 193 COPC	CL 194 COP 194 COPC	CL 195 COP 195 COPC	CL 196 COP 196 COPC	CL 197 COP 197 COPC	CL 198 COP 198 COPC
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PROPELLSIVE MING FORCE DATA										PROPELLSIVE MING FORCE DATA									
SUMMARY					SUMMARY					SUMMARY					SUMMARY				
PT	ALPHA DATA	DELTA MOMENT	CL 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	PT	ALPHA DATA	DELTA MOMENT	CL 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC	CPH 15 CAY 15 CHNC
1	30.00	0.00E+00	0.53	0.15	-0.12	-0.03	-0.01	-0.17	-0.17	1	30.00	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	-0.10	-0.10
	15.01	87.35	0.00	0.00	0.12	-0.03	-0.01	-0.17	-0.17		15.01	87.35	0.00	0.00	-0.08	-0.08	-0.10	-0.10	-0.10
2	30.22	0.00E+00	0.53	0.15	-0.12	-0.02	0.00	-0.13	-0.13	2	30.12	0.00E+00	0.50	0.27	-0.04	-0.04	-0.04	-0.11	-0.11
	10.02	87.35	0.00	0.00	0.12	-0.02	0.00	-0.13	-0.13		10.02	87.35	0.00	0.00	-0.04	-0.04	-0.04	-0.11	-0.11
3	30.00	0.00E+00	0.53	0.15	-0.12	-0.02	0.00	-0.10	-0.10	3	30.12	0.00E+00	0.50	0.27	-0.04	-0.04	-0.04	-0.09	-0.09
	1.01	87.35	0.00	0.00	0.12	-0.02	0.00	-0.10	-0.10		1.01	87.35	0.00	0.00	-0.04	-0.04	-0.04	-0.09	-0.09
4	30.12	0.00E+00	0.53	0.15	-0.11	-0.01	0.00	-0.07	-0.07	4	30.00	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	-0.07	-0.07
	3.00	87.35	0.00	0.00	0.12	-0.01	0.00	-0.07	-0.07		3.00	87.35	0.00	0.00	-0.08	-0.08	-0.08	-0.07	-0.07
5	30.22	0.00E+00	0.53	0.15	-0.11	-0.01	0.00	-0.04	-0.04	5	30.00	0.00E+00	0.50	0.27	-0.04	-0.04	-0.04	-0.04	-0.04
	3.00	87.35	0.00	0.00	0.12	-0.01	0.00	-0.04	-0.04		3.00	87.35	0.00	0.00	-0.04	-0.04	-0.04	-0.04	-0.04
6	30.00	0.00E+00	0.53	0.15	-0.12	0.00	0.00	-0.02	-0.02	6	30.00	0.00E+00	0.50	0.27	-0.04	-0.04	-0.04	-0.02	-0.02
	1.00	87.35	0.00	0.00	0.12	0.00	0.00	-0.02	-0.02		1.00	87.35	0.00	0.00	-0.04	-0.04	-0.04	-0.02	-0.02
7	30.12	0.00E+00	0.51	0.15	-0.11	0.00	0.00	0.01	0.01	7	30.00	0.00E+00	0.50	0.27	-0.04	-0.04	-0.04	0.00	0.00
	0.00	87.35	0.00	0.00	0.12	0.00	0.00	0.01	0.01		0.00	87.35	0.00	0.00	-0.04	-0.04	-0.04	0.00	0.00
8	30.12	0.00E+00	0.53	0.15	-0.11	0.01	0.00	0.02	0.02	8	30.12	0.00E+00	0.50	0.27	-0.04	-0.04	-0.04	0.00	0.00
	-2.00	87.35	0.00	0.00	0.12	0.01	0.00	0.02	0.02		-2.00	87.35	0.00	0.00	-0.04	-0.04	-0.04	0.00	0.00
9	30.12	0.00E+00	0.53	0.15	-0.12	0.01	0.00	0.00	0.00	9	30.12	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	0.00	0.00
	-0.03	87.35	0.00	0.00	0.12	0.01	0.00	0.00	0.00		-0.03	87.35	0.00	0.00	-0.08	-0.08	-0.08	0.00	0.00
10	30.12	0.00E+00	0.53	0.15	-0.11	0.00	0.00	0.00	0.00	10	30.12	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	0.00	0.00
	-0.01	87.35	0.00	0.00	0.12	0.00	0.00	0.00	0.00		-0.01	87.35	0.00	0.00	-0.08	-0.08	-0.08	0.00	0.00
11	30.00	0.00E+00	0.53	0.15	-0.12	0.02	0.00	0.11	0.11	11	30.22	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	0.00	0.00
	-0.00	87.35	0.00	0.00	0.12	0.02	0.00	0.11	0.11		-0.00	87.35	0.00	0.00	-0.08	-0.08	-0.08	0.00	0.00
12	30.00	0.00E+00	0.54	0.15	-0.12	0.03	0.00	0.13	0.13	12	30.12	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	0.00	0.00
	-10.02	87.35	0.00	0.00	0.12	0.03	0.00	0.13	0.13		-10.02	87.35	0.00	0.00	-0.08	-0.08	-0.08	0.00	0.00
13	30.00	0.00E+00	0.54	0.14	-0.12	0.03	0.01	0.10	0.10	13	30.00	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	0.00	0.00
	-15.04	87.35	0.00	0.00	0.12	0.03	0.01	0.10	0.10		-15.04	87.35	0.00	0.00	-0.08	-0.08	-0.08	0.00	0.00
14	30.00	0.00E+00	0.54	0.14	-0.12	0.03	0.01	0.10	0.10	14	30.00	0.00E+00	0.50	0.27	-0.08	-0.08	-0.08	0.00	0.00
	-15.00	87.35	0.00	0.00	0.12	0.03	0.01	0.10	0.10		-15.00	87.35	0.00	0.00	-0.08	-0.08	-0.08	0.00	0.00

PROPELLSIVE WING FORCE DATA

PT	ALPHA DETA	REF NO HEIGHT	SUMMARY					SUM 100					CSF 15				
			CL 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15
2	0.00	0.300-00	-1.02	-0.30	0.32	-1.22	0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82
3	0.00	0.300-00	-1.02	-0.30	0.32	-1.22	0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82
4	0.00	0.300-00	-1.02	-0.30	0.32	-1.22	0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82
5	0.00	0.300-00	-1.02	-0.30	0.32	-1.22	0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82

PROPELLSIVE WING FORCE DATA

PT	ALPHA DETA	REF NO HEIGHT	SUMMARY					SUM 100					CSF 15				
			CL 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15	CS 15
4	0.00	0.300-00	20.21	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13
5	0.00	0.300-00	20.21	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13
6	0.00	0.300-00	20.21	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13
7	0.00	0.300-00	20.21	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13
8	0.00	0.300-00	20.21	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13
9	0.00	0.300-00	20.21	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13	-20.13

PROPELLSIVE MING FORCE DATA

PI	SUMMARY									
	ALPHA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PI	SUMMARY									
	ALPHA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPULSIVE WIND FORCE DATA

PT	B ALPHA	REV NO	CL15 CAF15 CM15	CPH15 CPH15 CPH15	CMH15 CMH15 CMH15	CTR15 CTR15 CTR15	GSF15 GSF15 GSF15
	BETA	WEIGHT	CAF15 CAF15 CAF15	CPH15 CPH15 CPH15	CMH15 CMH15 CMH15	CTR15 CTR15 CTR15	GSF15 GSF15 GSF15
1	10.25 2.03 5.01	0.582-00 0.571-00 0.571-00	2.00 2.01 2.01	-0.23 -0.16 0.04	-0.45 -0.48 1.38	-0.04 -0.04 -0.44	-0.00 -0.00 -0.41
2	10.60 0.01 5.01	0.571-00 0.571-00 0.571-00	2.07 2.07 2.07	-0.15 -0.15 0.01	-0.45 -0.45 1.33	-0.05 -0.05 -0.32	-0.07 -0.07 -0.37
3	10.50 2.01 5.01	0.582-00 0.582-00 0.582-00	2.24 2.24 0.42	-0.08 -0.16 0.03	-0.44 -0.44 1.35	-0.05 -0.05 -0.19	-0.00 -0.00 -0.31
4	10.50 4.05 5.01	0.582-00 0.582-00 0.582-00	2.24 2.25 0.42	-0.08 -0.15 0.02	-0.44 -0.40 1.25	-0.05 -0.04 -0.00	-0.00 -0.10 -0.22
5	10.50 5.02 5.01	0.582-00 0.582-00 0.582-00	2.25 2.26 0.42	-0.15 -0.13 0.02	-0.45 -0.45 1.25	-0.05 -0.03 -0.13	-0.12 -0.12 -0.37
6	10.25 0.03 5.01	0.582-00 0.582-00 0.582-00	2.27 2.23 0.43	-0.28 -0.12 0.04	-0.44 -0.44 1.37	-0.04 -0.04 -0.20	-0.14 -0.14 -0.30
7	10.35 10.04 5.01	0.582-00 0.582-00 0.582-00	2.02 2.03 0.43	-0.43 -0.11 0.04	-0.45 -0.45 1.38	-0.03 -0.03 -0.40	-0.17 -0.17 -0.30
8	10.23 12.01 5.01	0.582-00 0.582-00 0.582-00	2.23 2.28 0.44	-0.50 -0.10 0.05	-0.48 -0.48 1.39	-0.03 -0.03 -0.00	-0.17 -0.16 -0.30
9	10.23 12.00 5.01	0.582-00 0.582-00 0.582-00	2.23 2.24 0.44	-0.70 -0.00 0.05	-0.48 -0.48 1.40	-0.03 -0.03 -0.00	-0.17 -0.17 -0.30
0	10.25 16.04 5.01	0.582-04 0.582-04 0.582-04	2.72 2.05 0.44	-1.01 -0.05 0.04	-0.50 -0.50 1.38	-0.03 -0.02 -0.17	-0.13 -0.12 -0.42
1	10.00 18.00 5.01	0.571-00 0.571-00 0.571-00	2.02 4.15 0.42	-1.24 -0.04 0.01	-0.50 -0.50 1.33	-0.03 -0.03 -0.19	-0.13 -0.13 -0.30
2	10.25 20.05 5.01	0.582-00 0.582-00 0.582-00	4.11 4.25 0.44	-1.43 -0.57 0.04	-0.52 -0.52 1.38	-0.03 -0.02 -0.18	-0.15 -0.15 -0.44
3	10.50 22.00 5.01	0.582-00 0.582-00 0.582-00	4.00 4.37 0.43	-1.57 -0.06 0.05	-0.55 -0.55 1.35	-0.01 -0.01 -0.01	-0.10 -0.10 -0.37

PROPELISIVE WIND FORCE DATA

[illegible]

7100 32001 0010 3415 100000

CONFIDENTIAL

[illegible][illegible]

SUNDAY. 000 201

[illegible]

PROPELLSIVE MINE FORCE DATA

PT	ALPHA DETA	NET MD HEIGHT	SUMMARY				SUMMARY			
			CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19
1	10.54	0.57E+00	2.82	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
2	10.81	0.54E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
3	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
4	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
5	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
6	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
7	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
8	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
9	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
10	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
11	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
12	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
13	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MINE FORCE DATA

PT	ALPHA DETA	NET MD HEIGHT	SUMMARY				SUMMARY			
			CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19	CL15 CH15 CH16 CH18 CH19
1	10.54	0.57E+00	2.82	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
2	10.81	0.54E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
3	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
4	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
5	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
6	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
7	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
8	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
9	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
10	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
11	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
12	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00
13	10.54	0.57E+00	2.80	0.32	-0.11	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 204

PI	ALPHA DETA	REV NO HEIGHT	CL15 CAF16 CHNC	CPH15 CPH16 CHNT	CPH15 CPH16 CL18	CTH15 CTH16 CTH18	CSF15 CSF16 CSF18
1	3.29 0.01 15.01	0.41E+00 0.01 0.01	3.17 -0.00 0.00	-0.00 -0.00 2.72	-0.12 -0.12 -1.00	-0.01 -0.01 0.32	-0.22 -0.22 -0.70
2	3.29 0.01 10.00	0.41E+00 0.01 0.01	3.16 -0.00 0.00	-0.04 -0.04 2.72	-0.00 -0.00 -1.00	0.00 0.00 0.32	-0.14 -0.14 -0.00
3	3.29 0.02 7.96	0.41E+00 0.02 0.02	3.11 -0.00 0.00	-0.00 -0.00 2.71	-0.07 -0.07 -1.00	-0.01 -0.01 0.32	-0.07 -0.07 -0.00
4	3.40 0.02 5.87	0.41E+00 0.02 0.02	2.99 -0.70 0.00	-0.77 -0.77 2.07	-0.00 -0.00 -1.70	0.00 0.00 0.32	-0.04 -0.04 -0.00
5	3.17 0.02 4.00	0.40E+00 0.02 0.02	2.15 -0.72 0.00	-0.72 -0.72 2.70	-0.04 -0.04 -1.74	0.01 0.01 0.31	0.00 0.00 -0.00
6	3.29 0.02 1.00	0.41E+00 0.02 0.02	2.00 -0.72 0.00	-0.72 -0.72 2.70	-0.03 -0.03 -1.73	0.00 0.00 0.30	0.00 0.00 -0.00
7	3.29 0.02 -0.01	0.41E+00 0.02 0.02	2.02 -0.70 0.00	-0.70 -0.70 2.70	-0.00 -0.00 -1.70	0.01 0.01 0.30	0.00 0.00 -0.00
8	3.17 0.02 -2.01	0.40E+00 0.02 0.02	2.11 -0.70 0.00	-0.70 -0.70 2.70	-0.03 -0.03 -1.81	0.01 0.01 0.30	0.00 0.00 -0.00
9	3.17 0.03 -4.00	0.40E+00 0.03 0.03	2.10 -0.77 0.00	-0.77 -0.77 2.02	-0.07 -0.07 -1.00	0.01 0.01 0.30	0.12 0.12 -0.00
10	3.17 0.03 -6.02	0.40E+00 0.03 0.03	2.12 -0.70 0.00	-0.70 -0.70 2.02	-0.01 -0.01 -1.00	0.01 0.01 0.30	0.11 0.11 -0.00
11	3.29 0.04 -8.03	0.41E+00 0.04 0.04	2.13 -0.72 0.00	-0.72 -0.72 2.77	-0.02 -0.02 -1.70	0.02 0.02 0.30	0.10 0.10 -0.00
12	3.29 0.04 -10.01	0.41E+00 0.04 0.04	2.11 -0.72 0.00	-0.72 -0.72 2.75	-0.03 -0.03 -1.71	0.02 0.02 0.31	0.20 0.20 -0.00
13	3.29 0.06 -15.02	0.41E+00 0.06 0.06	2.13 -0.72 0.00	-0.72 -0.72 2.77	-0.00 -0.00 -1.00	0.03 0.03 0.30	0.20 0.20 -0.00

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 205

PI	ALPHA DETA	REV NO HEIGHT	CL15 CAF16 CHNC	CPH15 CPH16 CHNT	CPH15 CPH16 CL18	CTH15 CTH16 CTH18	CSF15 CSF16 CSF18
1	3.29 0.01 15.01	0.41E+00 0.01 0.01	3.01 -0.10 0.00	-0.04 -0.04 2.71	-0.10 -0.10 -1.00	0.03 0.03 0.41	-0.27 -0.27 -0.00
2	3.40 0.02 10.00	0.41E+00 0.02 0.02	2.72 -0.10 0.00	-0.72 -0.72 2.00	-0.10 -0.10 -1.00	0.03 0.03 0.30	-0.10 -0.10 -0.00
3	3.17 0.02 8.01	0.40E+00 0.02 0.02	2.01 -0.10 0.00	-0.70 -0.70 2.02	-0.11 -0.11 -1.10	0.03 0.03 0.41	-0.11 -0.11 -0.00
4	3.17 0.02 5.99	0.40E+00 0.02 0.02	2.02 -0.10 0.00	-0.71 -0.71 2.00	-0.10 -0.10 -1.10	0.03 0.03 0.40	-0.00 -0.00 -0.00
5	3.29 0.02 4.01	0.41E+00 0.02 0.02	2.04 -0.10 0.00	-0.72 -0.72 2.70	-0.10 -0.10 -1.00	0.03 0.03 0.41	-0.04 -0.04 -0.00
6	3.29 0.04 1.00	0.41E+00 0.04 0.04	2.02 -0.10 0.00	-0.70 -0.70 2.70	-0.10 -0.10 -1.10	0.03 0.03 0.40	0.01 0.01 -0.00
7	3.40 0.04 -0.01	0.41E+00 0.04 0.04	2.72 -0.10 0.00	-0.72 -0.72 2.70	-0.10 -0.10 -1.00	0.03 0.03 0.41	0.00 0.00 -0.00
8	3.17 0.04 -2.01	0.40E+00 0.04 0.04	2.04 -0.10 0.00	-0.70 -0.70 2.00	-0.10 -0.10 -1.00	0.03 0.03 0.40	0.00 0.00 -0.00
9	3.29 0.04 -4.02	0.41E+00 0.04 0.04	2.70 -0.10 0.00	-0.70 -0.70 2.77	-0.10 -0.10 -1.10	0.03 0.03 0.40	0.01 0.01 -0.00
10	3.29 0.06 -6.00	0.41E+00 0.06 0.06	2.72 -0.10 0.00	-0.72 -0.72 2.77	-0.10 -0.10 -1.10	0.03 0.03 0.40	0.10 0.10 -0.00
11	3.29 0.06 -8.00	0.41E+00 0.06 0.06	2.70 -0.10 0.00	-0.72 -0.72 2.77	-0.10 -0.10 -1.10	0.03 0.03 0.40	0.10 0.10 -0.00
12	3.29 0.06 -10.01	0.41E+00 0.06 0.06	2.72 -0.10 0.00	-0.72 -0.72 2.77	-0.10 -0.10 -1.10	0.03 0.03 0.40	0.20 0.20 -0.00
13	3.29 0.06 -15.00	0.41E+00 0.06 0.06	2.70 -0.10 0.00	-0.72 -0.72 2.77	-0.10 -0.10 -1.10	0.03 0.03 0.40	0.20 0.20 -0.00

PROBATIVE WING FORCE DATA

PT	ALPHA DETA	REY MO INCLINT	SUMMARY				SUM 240				DATA			
			CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC	CL 15 CJW 16 CMSC
1	10.50	0.50E+00	1.97	-0.34	-0.07	-0.04	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
2	10.40	0.57E+00	2.12	-0.17	-0.05	-0.04	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
3	10.81	0.50E+00	2.20	-0.00	-0.05	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00
4	10.81	0.50E+00	2.24	-0.02	-0.37	-0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
5	10.80	0.50E+00	2.50	-0.15	-0.44	-0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
6	10.80	0.50E+00	2.72	-0.20	-0.30	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
7	10.40	0.57E+00	2.80	-0.04	-0.41	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
8	10.25	0.57E+00	2.28	-0.01	-0.50	-0.01	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
9	10.30	0.50E+00	2.47	-0.01	-0.50	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
10	10.40	0.57E+00	2.70	-0.00	-0.32	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
11	10.50	0.50E+00	2.83	-0.00	-0.40	-0.04	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
12	10.40	0.57E+00	2.80	-0.07	-0.40	-0.01	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
13	10.23	0.57E+00	4.22	-0.00	-0.47	-0.00	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03

RECEIVED 1961 APR 11 10 40 AM

JULY, 1952 219

PT	ALPHA DATA	KEY MD IDENT	CL15 CMT15 CHIC	CM15 CMT15 CHAM	CPM15 CMT15 CMT	CMR15 CMT15 CL18	CMR15 CMT15 CMT	CS15 CMT15 CMT
4	30.12 -3.00 0.00	0.97E+00 70.00	0.40 0.30 0.00	0.13 0.15 0.00	-0.12 -0.12 0.00	0.00 -0.13 0.13	0.00 0.00 0.00	-0.01 -0.01 -0.00
5	30.00 0.00 0.00	0.97E+00 50.71	0.51 0.51 0.00	0.10 0.15 0.00	-0.11 -0.11 0.00	0.00 0.23 0.00	0.00 0.00 0.00	0.00 0.00 -0.00
6	30.00 2.00 0.00	0.97E+00 60.07	0.01 0.01 0.00	0.10 0.15 0.00	-0.00 -0.00 0.00	0.00 0.00 0.33	0.00 0.00 0.75	0.00 0.00 -0.00
7	30.00 4.01 0.00	0.97E+00 07.50	0.71 0.72 0.00	0.20 0.15 0.00	-0.00 -0.00 0.00	0.00 0.00 0.43	0.00 0.00 0.75	-0.01 -0.01 -0.04
8	30.00 5.01 0.00	0.97E+00 08.24	0.04 0.00 0.00	0.23 0.15 0.00	-0.07 -0.07 0.00	0.00 0.00 0.50	0.00 0.00 0.70	0.00 0.00 -0.03
9	30.00 7.00 0.00	0.97E+00 07.00	0.04 0.00 0.00	0.27 0.14 0.00	-0.03 -0.03 0.00	0.00 0.00 0.00	0.00 0.00 0.70	-0.01 -0.01 -0.01
10	30.12 0.00 0.00	0.97E+00 07.11	1.00 1.10 0.00	0.23 0.13 0.00	-0.07 -0.07 0.00	0.00 0.00 0.70	0.00 0.00 0.33	-0.01 -0.01 -0.01
11	30.00 11.00 -0.01	0.97E+00 07.00	1.30 1.25 0.00	0.20 0.13 0.00	-0.02 -0.02 0.00	0.00 0.00 0.00	0.00 0.00 0.30	-0.01 -0.01 0.01
12	30.00 13.00 0.00	0.97E+00 08.00	1.31 1.37 0.00	0.00 0.12 0.00	-0.03 -0.03 0.00	0.00 0.00 1.07	0.00 0.00 0.43	-0.01 -0.01 0.07
13	30.77 16.00 0.00	0.97E+00 00.50	1.00 1.00 0.00	0.32 0.12 0.00	-0.01 -0.01 0.00	0.00 0.00 1.12	0.00 0.00 0.50	0.00 0.00 0.03
14	30.00 18.00 -0.01	0.97E+00 00.00	1.50 1.51 0.00	0.01 0.12 0.00	-0.04 -0.04 0.00	0.00 0.00 1.27	0.00 0.00 0.50	0.00 0.00 0.00
15	30.00 20.00 -0.01	0.97E+00 07.01	1.50 1.74 0.00	0.71 0.12 0.00	-0.00 -0.00 0.00	0.00 0.00 1.37	0.00 0.00 0.57	-0.01 -0.01 -0.00
16	20.70 22.01 -0.01	0.97E+00 04.50	1.00 1.00 0.00	0.01 0.12 0.00	-0.00 -0.00 0.00	0.00 0.00 1.40	0.00 0.00 0.70	-0.02 -0.02 0.00

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PROCESSED BY THE FBI

CONFIDENTIAL

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PI	ALPHA BETA	DELTA HEIGHT	CL15 CH15 CMC	CM15 CAP15 CMC	CPM15 CPM15 CMV	CMR15 CMR15 CL1R	CTR15 CTR15 CTR15	CS15 CS15 CS15
2	25.88 -1.99	0.96E+06 79.99	0.40 0.39 0.00	0.16 0.17 0.00	0.92 0.92 0.00	0.90 0.90 0.13	0.00 0.00 0.32	0.01 0.01 0.00
3	30.12 0.01	0.96E+06 86.79	0.52 0.52 0.00	0.18 0.18 0.00	0.93 0.93 0.00	0.90 0.90 0.25	0.00 0.00 0.33	0.01 0.01 0.00
4	30.12 2.01	0.96E+06 84.93	0.63 0.63 0.00	0.21 0.19 0.00	0.93 0.93 0.00	0.90 0.90 0.35	0.00 0.00 0.36	0.01 0.01 0.00
5	30.12 4.00	0.96E+06 84.93	0.74 0.76 0.00	0.29 0.29 0.00	0.93 0.93 0.00	0.90 0.90 0.47	0.00 0.00 0.39	0.01 0.01 0.00
6	30.00 8.00	0.96E+06 84.37	0.86 0.86 0.00	0.30 0.21 0.00	0.93 0.93 0.00	0.90 0.90 0.50	0.00 0.00 0.32	0.01 0.01 0.00
7	29.88 8.01	0.96E+06 83.93	0.90 1.03 0.00	0.35 0.21 0.00	0.94 0.94 0.00	0.90 0.90 0.71	0.00 0.00 0.37	0.01 0.01 0.07
8	30.00 10.04	0.96E+06 83.05	1.00 1.14 0.00	0.40 0.31 0.00	-0.92 -0.92 0.00	0.90 0.90 0.81	0.00 0.00 0.41	0.00 0.00 0.01
9	30.35 12.00	0.97E+06 82.95	1.18 1.18 0.00	0.49 0.49 0.00	-0.95 -0.95 0.00	0.91 0.90 0.91	0.00 0.00 0.00	0.01 0.01 0.01
10	30.00 14.00	0.96E+06 80.12	1.38 1.37 0.00	0.52 0.52 0.00	-0.93 -0.93 0.00	0.91 0.91 1.01	0.00 0.00 0.51	0.01 0.01 0.00
1	29.89 16.01	0.96E+06 80.52	1.40 1.51 0.00	0.60 0.18 0.00	-0.94 -0.94 0.00	0.91 0.90 1.13	0.00 0.00 0.58	0.01 0.01 0.00
2	30.00 18.00	0.96E+06 82.70	1.48 1.64 0.00	0.68 0.26 0.00	-0.94 -0.94 0.00	0.91 0.90 1.23	0.00 0.00 0.60	0.01 0.01 0.01
3	29.77 18.99	0.96E+06 87.95	1.59 1.77 0.00	0.78 0.30 0.00	-0.95 -0.95 0.00	0.90 0.90 1.31	0.00 0.00 0.75	0.01 0.01 0.01
4	30.12 22.03	0.96E+06 84.43	1.93 1.88 0.00	0.86 0.20 0.00	-0.95 -0.95 0.00	0.91 0.90 1.38	0.00 0.00 0.83	0.01 0.01 0.02

PROPOSITIVE MIND FORCE DATA

CONFIDENTIAL

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PT	ALPHA BETA	REV MD HEIGHT	CL 15 CAF 15 CHNC	CB 15 CAF 15 CHNC	CPR 15 CPR 15 CHST	CSR 15 CSR 15 CLTR	CTR 15 CTR 15 CHTR	CS 15 CS 15 CHTR
1	21.15 -1.00	0.01E+00 0.00	1.30 0.21	0.00 0.49	-0.13 0.14	0.01 0.01	0.00 0.00	0.00 0.00
2	31.04 0.01	0.01E+00 0.00	1.30 0.21	0.13 0.45	-0.07 0.13	0.00 0.00	0.00 0.00	0.00 0.00
3	31.04 1.00	0.01E+00 0.00	1.30 0.21	0.17 0.45	-0.08 0.13	0.01 0.01	0.01 0.01	0.01 0.01
4	31.04 2.00	0.01E+00 0.00	1.30 0.21	0.21 0.45	-0.08 0.13	0.01 0.01	0.01 0.01	0.01 0.01
5	20.82 0.00	0.01E+00 0.00	1.01 0.21	0.20 0.45	0.04 0.13	0.02 0.02	0.02 0.02	-0.02 -0.02
6	21.15 0.00	0.01E+00 0.00	1.30 0.21	0.30 0.45	0.06 0.14	0.02 0.02	0.01 0.01	0.01 0.01
7	31.04 0.00	0.01E+00 0.00	1.04 0.21	0.50 0.45	0.04 0.14	0.01 0.01	0.01 0.01	0.01 0.01
8	20.82 12.00	0.01E+00 0.00	2.10 0.21	0.00 0.45	0.00 0.14	0.01 0.01	0.01 0.01	0.01 0.01
9	31.15 13.00	0.01E+00 0.00	2.41 0.21	0.82 0.45	-0.02 0.14	0.01 0.01	0.01 0.01	0.01 0.01
10	34.82 14.00	0.01E+00 0.00	2.84 0.21	1.00 0.45	-0.04 0.14	0.01 0.01	0.01 0.01	0.01 0.01
11	34.82 17.00	0.01E+00 0.00	2.84 0.21	1.00 0.45	-0.04 0.14	0.01 0.01	0.01 0.01	0.01 0.01
12	31.04 20.00	0.01E+00 0.00	2.84 0.21	1.20 0.45	0.00 0.14	0.01 0.01	0.01 0.01	0.01 0.01
13	21.15 22.00	0.01E+00 0.00	2.84 0.21	1.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
14	21.15 25.00	0.01E+00 0.00	2.84 0.21	1.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
15	21.15 28.00	0.01E+00 0.00	2.84 0.21	1.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
16	21.15 31.00	0.01E+00 0.00	2.84 0.21	2.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
17	21.15 34.00	0.01E+00 0.00	2.84 0.21	2.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
18	21.15 37.00	0.01E+00 0.00	2.84 0.21	2.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
19	21.15 40.00	0.01E+00 0.00	2.84 0.21	2.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
20	21.15 43.00	0.01E+00 0.00	2.84 0.21	2.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
21	21.15 46.00	0.01E+00 0.00	2.84 0.21	3.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
22	21.15 49.00	0.01E+00 0.00	2.84 0.21	3.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
23	21.15 52.00	0.01E+00 0.00	2.84 0.21	3.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
24	21.15 55.00	0.01E+00 0.00	2.84 0.21	3.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
25	21.15 58.00	0.01E+00 0.00	2.84 0.21	3.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
26	21.15 61.00	0.01E+00 0.00	2.84 0.21	4.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
27	21.15 64.00	0.01E+00 0.00	2.84 0.21	4.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
28	21.15 67.00	0.01E+00 0.00	2.84 0.21	4.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
29	21.15 70.00	0.01E+00 0.00	2.84 0.21	4.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
30	21.15 73.00	0.01E+00 0.00	2.84 0.21	4.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
31	21.15 76.00	0.01E+00 0.00	2.84 0.21	5.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
32	21.15 79.00	0.01E+00 0.00	2.84 0.21	5.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
33	21.15 82.00	0.01E+00 0.00	2.84 0.21	5.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
34	21.15 85.00	0.01E+00 0.00	2.84 0.21	5.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
35	21.15 88.00	0.01E+00 0.00	2.84 0.21	5.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
36	21.15 91.00	0.01E+00 0.00	2.84 0.21	6.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
37	21.15 94.00	0.01E+00 0.00	2.84 0.21	6.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
38	21.15 97.00	0.01E+00 0.00	2.84 0.21	6.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
39	21.15 100.00	0.01E+00 0.00	2.84 0.21	6.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
40	21.15 103.00	0.01E+00 0.00	2.84 0.21	6.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
41	21.15 106.00	0.01E+00 0.00	2.84 0.21	7.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
42	21.15 109.00	0.01E+00 0.00	2.84 0.21	7.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
43	21.15 112.00	0.01E+00 0.00	2.84 0.21	7.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
44	21.15 115.00	0.01E+00 0.00	2.84 0.21	7.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
45	21.15 118.00	0.01E+00 0.00	2.84 0.21	7.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
46	21.15 121.00	0.01E+00 0.00	2.84 0.21	8.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
47	21.15 124.00	0.01E+00 0.00	2.84 0.21	8.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
48	21.15 127.00	0.01E+00 0.00	2.84 0.21	8.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
49	21.15 130.00	0.01E+00 0.00	2.84 0.21	8.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
50	21.15 133.00	0.01E+00 0.00	2.84 0.21	8.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
51	21.15 136.00	0.01E+00 0.00	2.84 0.21	9.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
52	21.15 139.00	0.01E+00 0.00	2.84 0.21	9.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
53	21.15 142.00	0.01E+00 0.00	2.84 0.21	9.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
54	21.15 145.00	0.01E+00 0.00	2.84 0.21	9.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
55	21.15 148.00	0.01E+00 0.00	2.84 0.21	9.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
56	21.15 151.00	0.01E+00 0.00	2.84 0.21	10.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
57	21.15 154.00	0.01E+00 0.00	2.84 0.21	10.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
58	21.15 157.00	0.01E+00 0.00	2.84 0.21	10.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
59	21.15 160.00	0.01E+00 0.00	2.84 0.21	10.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
60	21.15 163.00	0.01E+00 0.00	2.84 0.21	10.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
61	21.15 166.00	0.01E+00 0.00	2.84 0.21	11.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
62	21.15 169.00	0.01E+00 0.00	2.84 0.21	11.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
63	21.15 172.00	0.01E+00 0.00	2.84 0.21	11.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
64	21.15 175.00	0.01E+00 0.00	2.84 0.21	11.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
65	21.15 178.00	0.01E+00 0.00	2.84 0.21	11.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
66	21.15 181.00	0.01E+00 0.00	2.84 0.21	12.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
67	21.15 184.00	0.01E+00 0.00	2.84 0.21	12.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
68	21.15 187.00	0.01E+00 0.00	2.84 0.21	12.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
69	21.15 190.00	0.01E+00 0.00	2.84 0.21	12.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
70	21.15 193.00	0.01E+00 0.00	2.84 0.21	12.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
71	21.15 196.00	0.01E+00 0.00	2.84 0.21	13.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
72	21.15 199.00	0.01E+00 0.00	2.84 0.21	13.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
73	21.15 202.00	0.01E+00 0.00	2.84 0.21	13.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
74	21.15 205.00	0.01E+00 0.00	2.84 0.21	13.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
75	21.15 208.00	0.01E+00 0.00	2.84 0.21	13.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
76	21.15 211.00	0.01E+00 0.00	2.84 0.21	14.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
77	21.15 214.00	0.01E+00 0.00	2.84 0.21	14.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
78	21.15 217.00	0.01E+00 0.00	2.84 0.21	14.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
79	21.15 220.00	0.01E+00 0.00	2.84 0.21	14.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
80	21.15 223.00	0.01E+00 0.00	2.84 0.21	14.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
81	21.15 226.00	0.01E+00 0.00	2.84 0.21	15.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
82	21.15 229.00	0.01E+00 0.00	2.84 0.21	15.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
83	21.15 232.00	0.01E+00 0.00	2.84 0.21	15.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
84	21.15 235.00	0.01E+00 0.00	2.84 0.21	15.60 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
85	21.15 238.00	0.01E+00 0.00	2.84 0.21	15.80 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
86	21.15 241.00	0.01E+00 0.00	2.84 0.21	16.00 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
87	21.15 244.00	0.01E+00 0.00	2.84 0.21	16.20 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
88	21.15 247.00	0.01E+00 0.00	2.84 0.21	16.40 0.45	-0.01 0.14	0.01 0.01	0.01 0.01	0.01 0.01
89	21.15 250.00	0.01E+00 0.00	2.84 0.21	16.60 0.45	-0.01 0.14	0.01 0.01	0.	

PROPULSIVE MINE FORCE DATA

SUMMARY. RUM 370

PT	α	ALPHA	REV	CLIS	CBIS	CMNIS	CNIS	CSFIS
	BETA	MO	HEIGHT	CHT	CAF	CHT	CHT	CHT
2	0.60			-1.50	-0.13	12.80	-0.44	12.02
	-0.04	0.30E+08		-1.50	-0.13	12.80	-0.43	12.02
	-0.50	87.07		0.32	0.00	0.33	-2.47	18.11
3	0.00			21.10	-16.98	466.26	23.60	28.89
	0.06	0.30E+08		21.00	-17.00	466.70	23.57	28.91
	-0.50	87.07		27.57	0.00	37.57	-58.13	30.80
4	0.00			27.92	-24.58	890.40	33.20	28.93
	0.11	0.30E+08		32.87	-24.62	890.40	33.14	28.99
	-0.50	87.07		55.86	0.00	55.86	-35.37	41.88
5	0.00			35.34	-28.24	757.50	28.51	-5.32
	0.13	0.30E+08		35.28	-28.32	757.50	28.45	-5.38
	-0.50	87.07		125.00	0.00	125.00	-81.76	48.31

20001516 WINDMILL DATA

STERN A. O. V.

PE	ALPHA BETA	REV MO HEIGHT	CLTS CMT10 CMT6	CB15 CMT10 CMT6	CPH15 CMT10 CMT6	CMH15 CMT10 CMT6	CYH15 CMT10 CMT6	CS15 CMT10 CMT6
2	30.25 -0.01	0.97E+08 87.18	0.13 0.13 0.00	0.04 -0.04 0.50	0.10 0.10 0.00	0.00 0.00 0.14	0.00 0.00 0.04	0.01 0.01 0.10
3	30.40 -0.01	0.97E+08 87.82	0.17 0.17 0.00	0.09 0.09 0.00	0.14 0.14 0.00	0.00 0.17 0.00	0.00 0.00 0.05	0.01 0.01 0.14
4	30.25 -0.01	0.97E+08 87.17	0.20 0.20 0.00	0.05 0.04 0.00	0.18 0.18 0.00	0.00 0.21 0.00	0.00 0.00 0.05	0.01 0.01 0.18
5	30.35 -0.01	0.97E+08 87.18	0.25 0.25 0.00	0.08 0.04 0.00	0.21 0.21 0.00	0.00 0.25 0.00	0.00 0.00 0.00	0.01 0.01 0.21
6	30.25 -0.01	0.97E+08 87.20	0.28 0.28 0.00	0.07 0.04 0.00	0.25 0.25 0.00	0.00 0.28 0.00	0.00 0.00 0.07	0.00 0.00 0.25
7	30.23 -0.01	0.97E+08 87.48	0.31 0.34 0.00	0.08 0.03 0.00	0.28 0.28 0.00	0.00 0.33 0.00	0.00 0.00 0.00	0.01 0.01 0.28
8	30.23 -0.01	0.97E+08 88.18	0.37 0.38 0.00	0.10 0.03 0.00	0.33 0.33 0.00	0.00 0.37 0.00	0.00 0.00 0.10	0.01 0.01 0.33
9	30.35 -0.01	0.97E+08 88.07	0.40 0.42 0.00	0.12 0.12 0.00	0.37 0.37 0.00	0.00 0.41 0.00	0.00 0.00 0.12	0.01 0.01 0.37
10	30.12 -0.01	0.97E+08 87.15	0.46 0.46 0.00	0.14 0.04 0.00	0.40 0.40 0.00	0.00 0.44 0.00	0.00 0.00 0.14	0.00 0.00 0.40
11	30.02 -0.01	0.97E+08 88.48	0.45 0.48 0.00	0.18 0.03 0.00	0.42 0.42 0.00	0.00 0.45 0.00	0.00 0.00 0.18	0.00 0.00 0.42
12	30.12 -0.01	0.97E+08 87.50	0.43 0.46 0.00	0.18 0.04 0.00	0.40 0.40 0.00	0.00 0.43 0.00	0.00 0.00 0.18	0.00 0.00 0.40
13	30.12 -0.01	0.97E+08 88.12	0.46 0.48 0.00	0.20 0.04 0.00	0.40 0.40 0.00	0.00 0.44 0.00	0.00 0.00 0.20	0.01 0.01 0.40
14	28.80 -0.01	0.98E+08 85.20	0.45 0.50 0.00	0.22 0.04 0.00	0.42 0.42 0.00	0.00 0.45 0.00	0.00 0.00 0.22	0.00 0.00 0.42

PROPULSIVE WING FORCE DATA

SUMMARY, RUN 222

PT	ALPHA BETA	REYNOLDS NUMBER	CLIS CHIB	CLIFIB CHNIC	CPHIS CPHIB CPHIC	CMHIS CMHIB CMHIC	CYHIS CYHIB CYHIC	CSFIS CSFIB CSFIC
1	21.04 -2.03 -0.01	0.81E+06 81.78	0.55 0.23	0.02 0.00	0.48 0.23	0.60 0.43	0.09 0.12	0.01 0.38
2	21.15 -0.01	0.81E+06 81.33	0.58 0.23	0.04 0.00	0.52 0.23	0.60 0.48	0.00 0.14	0.02 0.46
3	21.04 -2.09 -0.01	0.81E+06 81.53	0.64 0.23	0.06 0.00	0.58 0.23	0.60 0.51	0.00 0.15	0.01 0.48
4	21.15 -0.01	0.81E+06 81.14	0.68 0.23	0.08 0.00	0.62 0.23	0.60 0.58	0.00 0.17	0.01 0.50
5	21.04 -0.01	0.81E+06 81.73	0.75 0.23	0.11 0.00	0.67 0.23	0.60 0.61	0.00 0.18	0.01 0.55
6	21.04 -0.01	0.81E+06 81.17	0.81 0.23	0.14 0.00	0.71 0.23	0.60 0.67	0.00 0.22	0.01 0.58
7	21.04 -0.01	0.81E+06 81.19	0.87 0.23	0.17 0.00	0.76 0.23	0.60 0.73	0.00 0.25	0.01 0.64
8	20.92 -0.01	0.81E+06 81.78	0.94 0.23	0.21 0.00	0.81 0.23	0.60 0.78	0.00 0.28	0.01 0.68
9	20.82 -0.01	0.81E+06 81.55	1.00 0.23	0.26 0.00	0.86 0.23	0.60 0.85	0.00 0.32	0.02 0.74
10	21.15 -0.01	0.82E+06 81.53	1.04 0.23	0.30 0.00	0.90 0.23	0.60 0.89	0.00 0.38	0.00 0.78
11	20.92 -0.01	0.81E+06 81.05	1.11 0.23	0.36 0.00	0.96 0.23	0.60 0.96	0.00 0.41	0.01 0.84
12	20.92 -0.01	0.81E+06 81.05	1.11 0.23	0.36 0.00	0.96 0.23	0.60 0.96	0.00 0.41	0.01 0.84
13	21.04 -0.01	0.81E+06 81.30	1.15 0.23	0.41 0.00	0.98 0.23	0.60 0.98	0.00 0.45	0.01 0.87
14	20.92 -0.01	0.81E+06 81.28	1.20 0.23	0.46 0.00	1.03 0.23	0.60 1.05	0.00 0.50	0.00 0.91

PROPULSIVE WING FORCE DATA

SUMMARY, RUN 223

PT	ALPHA BETA	REYNOLDS NUMBER	CLIS CHIB	CLIFIB CHNIC	CPHIS CPHIB CPHIC	CMHIS CMHIB CMHIC	CYHIS CYHIB CYHIC	CSFIS CSFIB CSFIC
1	10.35 -2.04 -0.01	0.57E+06 57.75	0.73 0.47	0.00 0.00	0.82 0.47	0.00 0.48	0.00 0.13	0.01 0.38
2	10.60 -0.01	0.58E+06 58.35	0.77 0.45	0.05 0.00	0.86 0.45	0.00 0.52	0.00 0.14	0.00 0.43
3	10.60 -0.01	0.58E+06 58.51	0.82 0.45	0.12 0.00	0.92 0.45	0.00 0.58	0.00 0.18	0.01 0.48
4	10.48 -0.01	0.58E+06 58.48	0.88 0.48	0.01 0.00	0.98 0.48	0.00 0.62	0.00 0.18	0.01 0.54
5	10.35 -0.01	0.57E+06 57.85	0.86 0.47	0.05 0.00	0.94 0.47	0.00 0.58	0.00 0.22	0.01 0.60
6	10.60 -0.01	0.58E+06 58.35	0.88 0.45	0.08 0.00	1.00 0.45	0.00 0.71	0.00 0.24	0.00 0.65
7	10.60 -0.01	0.58E+06 58.01	1.08 0.45	0.13 0.00	1.03 0.45	0.00 0.78	0.00 0.28	0.02 0.76
8	10.58 -0.01	0.58E+06 58.58	1.15 0.46	0.18 0.00	1.08 0.46	0.00 0.86	0.00 0.32	0.01 0.75
9	10.58 -0.01	0.58E+06 58.13	1.22 0.46	0.23 0.00	1.03 0.46	0.00 0.92	0.00 0.36	0.01 0.78
10	10.48 -0.01	0.58E+06 58.48	1.26 0.46	0.28 0.00	1.08 0.46	0.00 0.98	0.00 0.40	0.00 0.84
11	10.35 -0.01	0.57E+06 57.73	1.37 0.47	0.35 0.00	1.13 0.47	0.00 1.06	0.00 0.46	0.01 0.89
12	10.23 -0.01	0.57E+06 58.03	1.43 0.47	0.41 0.00	1.18 0.47	0.00 1.11	0.00 0.51	0.00 0.94
13	10.23 -0.01	0.57E+06 58.28	1.47 0.47	0.47 0.00	1.23 0.47	0.00 1.15	0.00 0.56	0.01 0.98

PROPERTY INJURY DAMAGE DATA

SUMMARY. 811 226

PT	ALPHA BETA	REF NO HEIGHT	CLIS CH10 CMSC	CDIS CAP10 CNLM	CPM15 CPM10 CMAT	CMR15 CMR10 CLIR	CYR15 CYR10 CDIR	CSR15 CSR10 CSDR
1	5.20 -1.90 -0.01	0.41E+06 88.18	1.08 1.09 0.92	-0.28 -0.25 0.00	0.87 0.53 0.92	0.01 0.01 0.50	0.00 0.00 0.12	0.02 0.02 0.26
2	5.17 0.03 -0.01	0.41E+06 88.81	1.14 1.14 0.94	-0.25 -0.25 0.00	0.90 0.80 0.94	0.01 0.01 0.62	0.00 0.00 0.15	0.01 0.01 0.42
3	5.17 2.12 -0.01	0.41E+06 85.71	1.20 1.20 0.94	-0.21 -0.25 0.00	0.90 0.96 0.84	0.01 0.01 0.67	0.00 0.00 0.17	0.02 0.02 0.41
4	5.20 4.01 -0.01	0.41E+06 87.77	1.22 1.21 0.92	-0.17 -0.25 0.00	1.00 1.00 0.92	0.01 0.01 0.60	0.00 0.00 0.18	0.01 0.01 0.52
5	5.17 8.09 -0.01	0.41E+06 85.71	1.20 1.27 0.94	-0.12 -0.26 0.00	1.08 1.08 0.94	0.01 0.01 0.73	0.00 0.00 0.22	0.00 0.00 0.60
6	5.20 8.06 -0.01	0.41E+06 88.50	1.25 1.33 0.97	-0.00 -0.24 0.00	1.15 1.15 0.92	0.01 0.01 0.78	0.00 0.00 0.28	0.00 0.00 0.87
7	5.20 16.07 -0.01	0.41E+06 87.12	1.42 1.40 0.92	0.00 -0.25 0.00	1.21 1.21 0.92	0.01 0.01 0.85	0.00 0.00 0.28	0.00 0.00 0.73
8	5.20 12.02 -0.01	0.41E+06 88.81	1.51 1.48 0.92	0.00 -0.25 0.00	1.26 1.18 0.92	0.01 0.01 0.93	0.00 0.00 0.34	0.00 0.00 0.78
9	5.20 13.89 -0.01	0.41E+06 88.98	1.56 1.54 0.92	0.12 -0.26 0.00	1.30 1.30 0.92	0.01 0.01 0.97	0.00 0.00 0.37	-0.02 -0.02 0.83
10	5.17 16.05 -0.01	0.41E+06 87.82	1.67 1.65 0.94	0.20 -0.27 0.00	1.28 1.38 0.94	0.01 0.01 1.00	0.00 0.00 0.44	0.00 0.00 0.88
11	5.20 18.97 -0.01	0.41E+06 87.88	1.71 1.71 0.92	0.28 -0.27 0.00	1.40 1.40 0.92	0.01 0.01 1.10	-0.01 0.00 0.46	0.02 0.02 0.92
12	5.20 20.83 -0.01	0.41E+06 88.85	1.75 1.78 0.92	0.34 -0.28 0.00	1.43 1.43 0.92	0.01 0.01 1.14	0.00 0.00 0.53	0.00 0.00 0.98
13	5.20 22.04 -0.01	0.41E+06 87.18	1.83 1.85 0.92	0.43 -0.20 0.00	1.48 1.48 0.92	0.01 0.01 1.21	-0.01 0.00 0.55	0.01 0.00 0.99

PROPERTY DAMAGE FORCE MAJEURE

SUMMARY, NOV 275

[illegible]

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 226													
PI	Q	ALPHA	REY MO	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15
		BETA	HEIGHT	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15
1	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
2	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
3	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
4	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
5	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
7	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
8	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
9	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
10	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
12	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
13	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02

SUMMARY, RUN 226													
PI	Q	ALPHA	REY MO	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15
		BETA	HEIGHT	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15	CH 15
1	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
2	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
3	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
4	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
5	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
7	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
8	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
9	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
10	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
12	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
13	1.27	-0.01	0.20E+00	3.17	1.97	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 299

PT	ALPHA BETA	REV MD HEIGHT	CLIS CHT 16 CHNC	CRIS CAT 16 CHNC	CPHIS CPHIS CHNC	CHNIS CHNIS CHNC	CSFIS CSFIS CHNC	CSFIS CSFIS CHNC
2	30.22 -0.01	0.392-00 84.84	0.29 0.23 0.00	0.10 0.11 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.01 -0.11
3	30.12 -0.01	0.392-00 84.84	0.40 0.40 0.00	0.12 0.12 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.01 -0.11
4	30.12 -0.01	0.392-00 84.84	0.37 0.36 0.00	0.16 0.12 0.00	-0.09 -0.09 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.08
5	30.00 -0.01	0.392-00 84.84	0.71 0.72 0.00	0.17 0.12 0.00	-0.08 -0.08 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.01 -0.08
6	29.88 -0.01	0.392-00 84.84	0.60 0.60 0.00	0.22 0.12 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.11
7	29.77 -0.01	0.392-00 84.84	1.03 1.00 0.00	0.27 0.12 0.00	-0.09 -0.09 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.10
8	29.68 -0.01	0.392-00 84.84	1.18 1.22 0.00	0.32 0.11 0.00	-0.08 -0.08 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.08
9	29.60 -0.01	0.392-00 84.84	1.26 1.21 0.00	0.37 0.10 0.00	-0.08 -0.08 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.08
10	29.60 -0.01	0.392-00 84.84	1.37 1.44 0.00	0.44 0.10 0.00	-0.04 -0.04 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.04
11	29.77 -0.01	0.392-00 84.84	1.50 1.50 0.00	0.52 0.00 0.00	-0.05 -0.05 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.05
12	29.77 -0.01	0.392-00 84.84	1.56 1.56 0.00	0.61 0.00 0.00	-0.05 -0.05 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.01 -0.05
13	29.60 -0.01	0.392-00 84.84	1.87 1.81 0.00	0.70 0.00 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.01 -0.10
14	29.77 -0.01	0.392-00 84.84	1.79 1.86 0.00	0.82 0.00 0.00	-0.12 -0.12 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.01 -0.12
15	29.80 -0.01	0.392-00 84.84	0.51 0.51 0.00	0.12 0.12 0.00	-0.13 -0.13 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.13
16	30.12 -0.01	0.392-00 84.84	0.00 0.70 0.00	0.12 0.12 0.00	-0.13 -0.13 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.01 0.01 -0.08
17	30.00 -0.01	0.392-00 84.84	1.03 1.05 0.00	0.36 0.12 0.00	-0.10 -0.10 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.10
18	29.77 -0.01	0.392-00 84.84	1.37 1.31 0.00	0.37 0.10 0.00	-0.09 -0.09 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.09
19	30.12 -0.01	0.392-00 84.84	1.77 1.85 0.00	0.81 0.00 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 -0.11

A-64

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 299

PT	ALPHA BETA	REV MD HEIGHT	CLIS CHT 16 CHNC	CRIS CAT 16 CHNC	CPHIS CPHIS CHNC	CHNIS CHNIS CHNC	CSFIS CSFIS CHNC	CSFIS CSFIS CHNC
16	0.00 -0.03 -0.01	0.392-00 87.00	-1.80 -1.85 0.16	-0.34 -0.34 0.32	3.31 3.31 0.40	-0.07 -0.07 -0.36	11.77 11.77 -0.20	-1.01 -1.01 5.34
17	0.00 -0.01	0.392-00 87.00	42.54 42.52 23.90	-43.12 -43.14 46.00	-265.00 -265.00 70.00	11.42 11.41 32.51	21.77 21.76 -33.93	-0.01 -0.01 -295.20
18	0.00 -0.01	0.392-00 87.00	89.07 89.01 39.50	-84.94 -84.98 78.78	-429.00 -429.00 116.30	22.54 22.52 44.50	17.62 17.64 -47.60	0.37 0.37 -448.50
19	0.00 -0.01	0.392-00 87.00	88.14 88.07 55.31	-89.31 -89.33 107.50	-578.20 -578.20 182.00	20.82 20.79 57.87	18.86 18.80 -85.68	0.37 0.37 -864.50
20	0.00 -0.01	0.392-00 87.00	160.30 160.10 73.00	-118.00 -115.20 104.00	-838.00 -838.00 218.00	23.81 23.74 68.43	48.50 48.01 -85.57	-7.20 -7.25 -875.00

PROPELLSIVE MINE FORCE DATA

PT	SUMMARY										SUMMARY									
	ALPHA	BETA	REY MO	REY MO	CLIS	CAF 18	CPMIS	CMRIS	CYRIS	CSFIS	ALPHA	BETA	REY MO	REY MO	CLIS	CAF 18	CPMIS	CMRIS	CYRIS	CSFIS
			REY MO	REY MO	CHNC	CHNC	CHNC	CHNC	CHNC	CHNC			REY MO	REY MO	CHNC	CHNC	CHNC	CHNC	CHNC	CHNC
1	21.15	-0.01	0.83E+00	0.83E+00	1.05	-0.10	-0.05	0.01	0.00	0.01	10.48	-0.01	0.83E+00	0.83E+00	1.47	-0.10	-0.05	0.01	0.00	0.01
2	21.27	-0.01	0.83E+00	0.83E+00	1.10	-0.11	0.00	0.00	-0.01	0.02	10.81	-0.01	0.83E+00	0.83E+00	1.52	-0.11	0.00	-0.01	0.00	0.02
3	21.27	-0.01	0.83E+00	0.83E+00	1.22	-0.08	0.02	0.00	-0.01	0.02	10.81	-0.01	0.83E+00	0.83E+00	1.52	-0.08	0.02	-0.01	0.00	0.02
4	21.15	-0.01	0.83E+00	0.83E+00	1.40	-0.09	0.02	0.01	-0.01	0.02	10.48	-0.01	0.83E+00	0.83E+00	1.72	-0.09	0.02	0.00	0.00	0.01
5	21.15	-0.01	0.83E+00	0.83E+00	1.58	-0.07	0.00	0.02	0.00	-0.02	10.48	-0.01	0.83E+00	0.83E+00	2.00	-0.07	0.00	0.00	0.00	-0.02
6	21.04	-0.01	0.83E+00	0.83E+00	1.81	-0.10	-0.04	0.02	0.00	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.20	-0.10	-0.04	0.00	0.00	0.00
7	20.82	-0.01	0.83E+00	0.83E+00	2.02	-0.08	-0.02	0.02	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.44	-0.08	-0.02	-0.01	0.00	0.00
8	21.04	-0.01	0.83E+00	0.83E+00	2.28	-0.06	-0.00	0.01	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.68	-0.06	-0.00	0.00	0.00	0.00
9	20.81	-0.01	0.83E+00	0.83E+00	2.51	-0.05	-0.11	0.01	0.00	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.92	-0.05	-0.11	0.00	0.00	0.00
10	20.82	-0.01	0.83E+00	0.83E+00	2.78	-0.06	-0.13	0.01	0.00	0.00	10.25	-0.01	0.83E+00	0.83E+00	3.16	-0.06	-0.13	0.00	0.00	0.00
11	21.04	-0.01	0.83E+00	0.83E+00	3.00	-0.06	-0.12	0.00	-0.01	0.01	10.25	-0.01	0.83E+00	0.83E+00	3.40	-0.06	-0.12	0.00	0.00	0.01
12	20.81	-0.01	0.83E+00	0.83E+00	3.23	-0.06	-0.10	0.01	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	3.64	-0.06	-0.10	0.00	0.00	0.00
13	21.04	-0.01	0.83E+00	0.83E+00	3.46	-0.06	-0.07	0.01	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	3.88	-0.06	-0.07	0.00	0.00	0.00

PROPELLSIVE MINE FORCE DATA

PT	SUMMARY										SUMMARY									
	ALPHA	BETA	REY MO	REY MO	CLIS	CAF 18	CPMIS	CMRIS	CYRIS	CSFIS	ALPHA	BETA	REY MO	REY MO	CLIS	CAF 18	CPMIS	CMRIS	CYRIS	CSFIS
			REY MO	REY MO	CHNC	CHNC	CHNC	CHNC	CHNC	CHNC			REY MO	REY MO	CHNC	CHNC	CHNC	CHNC	CHNC	CHNC
1	21.15	-0.01	0.83E+00	0.83E+00	1.05	-0.10	-0.05	0.01	0.00	0.01	10.48	-0.01	0.83E+00	0.83E+00	1.47	-0.10	-0.05	0.01	0.00	0.01
2	21.27	-0.01	0.83E+00	0.83E+00	1.10	-0.11	0.00	0.00	-0.01	0.02	10.81	-0.01	0.83E+00	0.83E+00	1.52	-0.11	0.00	-0.01	0.00	0.02
3	21.27	-0.01	0.83E+00	0.83E+00	1.22	-0.08	0.02	0.00	-0.01	0.02	10.81	-0.01	0.83E+00	0.83E+00	1.52	-0.08	0.02	-0.01	0.00	0.02
4	21.15	-0.01	0.83E+00	0.83E+00	1.40	-0.09	0.02	0.01	-0.01	0.02	10.48	-0.01	0.83E+00	0.83E+00	1.72	-0.09	0.02	0.00	0.00	0.01
5	21.15	-0.01	0.83E+00	0.83E+00	1.58	-0.07	0.00	0.02	0.00	-0.02	10.48	-0.01	0.83E+00	0.83E+00	2.00	-0.07	0.00	0.00	0.00	-0.02
6	21.04	-0.01	0.83E+00	0.83E+00	1.81	-0.10	-0.04	0.02	0.00	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.20	-0.10	-0.04	0.00	0.00	0.00
7	20.82	-0.01	0.83E+00	0.83E+00	2.02	-0.08	-0.02	0.02	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.44	-0.08	-0.02	-0.01	0.00	0.00
8	21.04	-0.01	0.83E+00	0.83E+00	2.28	-0.06	-0.00	0.01	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.68	-0.06	-0.00	0.00	0.00	0.00
9	20.81	-0.01	0.83E+00	0.83E+00	2.51	-0.05	-0.11	0.01	0.00	0.00	10.25	-0.01	0.83E+00	0.83E+00	2.92	-0.05	-0.11	0.00	0.00	0.00
10	20.82	-0.01	0.83E+00	0.83E+00	2.78	-0.06	-0.13	0.01	0.00	0.00	10.25	-0.01	0.83E+00	0.83E+00	3.16	-0.06	-0.13	0.00	0.00	0.00
11	21.04	-0.01	0.83E+00	0.83E+00	3.00	-0.06	-0.12	0.00	-0.01	0.01	10.25	-0.01	0.83E+00	0.83E+00	3.40	-0.06	-0.12	0.00	0.00	0.01
12	20.81	-0.01	0.83E+00	0.83E+00	3.23	-0.06	-0.10	0.01	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	3.64	-0.06	-0.10	0.00	0.00	0.00
13	21.04	-0.01	0.83E+00	0.83E+00	3.46	-0.06	-0.07	0.01	-0.01	0.00	10.25	-0.01	0.83E+00	0.83E+00	3.88	-0.06	-0.07	0.00	0.00	0.00

PROPELLIVE WING FORCE DATA PROPELLIVE WING FORCE DATA

COMMUNITY. 000 234

[illegible]

PROGRESSIVE WIND FORCE DATA

SUMMARY. PUM 233

PT	ALPHA BETA	REY NO REIGN	CLIS CIB CNUC	CBIS CAPB CNUC	CPBIS CPBIB CNUC	CMBIS CMBIB CNUC	CMBIS CMBIB CNUC	CSBIS CSBIB CNUC
1	3.52 -2.04	0.42E+08 87.11	2.17 2.21	-1.18 -1.11	-0.31 -0.31	-0.01 -0.01	-0.01 -0.01	0.00 -0.30
2	3.40 -0.01	0.42E+08 86.73	2.32 2.32	-1.13 -1.13	-0.25 -0.25	0.01 0.01	0.00 0.00	0.05 -0.34
3	3.40 -0.01	0.42E+08 87.49	2.41 2.37	-1.05 -1.13	-0.16 -0.16	0.01 0.01	0.00 0.00	0.03 0.03
4	3.40 -0.01	0.42E+08 87.32	2.59 2.51	-0.98 -1.14	-0.14 -0.14	0.01 0.01	0.01 0.01	-0.02 -0.02
5	3.40 -0.01	0.42E+08 88.59	2.77 2.66	-0.85 -1.14	-0.11 -0.11	0.01 0.01	0.00 0.00	0.01 -0.20
6	3.28 -0.01	0.42E+08 88.88	2.85 2.81	-0.78 -1.17	-0.08 -0.08	0.02 0.02	0.01 0.01	0.00 -0.15
7	3.40 -0.01	0.42E+08 87.52	3.18 3.01	-0.58 -1.13	-0.09 -0.09	0.00 0.00	0.00 0.00	-0.02 -0.17
8	3.28 -0.01	0.42E+08 88.17	3.41 3.25	-0.43 -1.14	-0.05 -0.05	0.02 0.02	0.01 0.01	0.00 -0.02
9	3.28 -0.01	0.42E+08 85.43	3.66 3.60	-0.25 -1.14	-0.12 -0.12	0.01 0.01	0.00 0.00	-0.03 -0.14
10	3.17 -0.01	0.41E+08 87.75	3.81 3.73	-0.08 -1.05	-0.10 -0.10	0.02 0.02	0.00 0.00	-0.03 -0.21
11	3.28 -0.01	0.42E+08 83.57	4.11 3.95	0.18 -1.12	-0.18 -0.18	0.00 0.00	0.00 0.00	-0.06 -0.18
12	3.28 -0.01	0.42E+08 86.17	4.23 4.10	0.38 -1.11	-0.08 -0.08	0.00 0.00	0.00 0.00	-0.07 -0.17
13	3.40 -0.01	0.42E+08 87.87	4.45 4.36	0.63 -1.09	-0.15 -0.15	0.03 0.03	0.00 0.00	-0.06 -0.24

PROPELLSIVE NING FORCE DATA

SUMMARY. RUN 225

PT	ALPHA	BETA	REV NO	CLIS	CAF18	CPM15	CYR15	CSF15	CSF18	CSF18
			HEIGHT	CH18	CH18	CH18	CH18	CH18	CH18	CH18
20	30.35	-2.31	0.10E-07	0.48	0.00	-0.35	0.00	0.00	0.01	0.01
	0.00	0.00	87.74	0.00	0.00	0.00	0.00	0.10	-0.35	0.00
21	30.12	0.00	0.10E-07	0.42	0.00	-0.27	0.00	0.00	0.01	0.01
	0.00	0.00	87.47	0.00	0.00	0.00	0.00	0.00	0.00	0.01
22	30.12	2.03	0.09E-06	0.47	0.00	-0.28	0.00	0.00	0.00	0.00
	0.00	0.00	87.87	0.00	0.00	0.00	0.00	0.10	-0.28	0.00
23	30.00	4.00	0.09E-06	0.58	0.11	-0.30	0.00	0.00	0.00	0.00
	0.00	0.00	88.15	0.00	0.00	0.00	0.00	0.12	-0.30	0.00
24	30.00	8.02	0.09E-06	0.67	0.13	-0.32	0.00	0.00	0.00	0.00
	0.00	0.00	88.71	0.00	0.00	0.00	0.00	0.13	-0.31	0.00
25	29.77	8.02	0.09E-06	0.82	0.18	-0.43	0.00	0.00	0.00	0.00
	0.00	0.00	88.01	0.00	0.00	0.00	0.00	0.18	-0.43	0.00
26	30.23	10.47	0.09E-06	1.01	0.22	-0.45	0.00	0.00	0.00	0.00
	0.00	0.00	87.42	0.00	0.00	0.00	0.00	0.22	-0.45	0.00
27	30.12	12.05	0.09E-06	1.12	0.27	-0.47	0.00	0.00	0.00	0.00
	0.00	0.00	87.38	0.00	0.00	0.00	0.00	0.27	-0.47	0.00
28	30.00	14.02	0.09E-06	1.22	0.32	-0.48	0.00	0.00	0.00	0.00
	0.00	0.00	87.77	0.00	0.00	0.00	0.00	0.32	-0.48	0.00
29	29.88	16.07	0.09E-06	1.21	0.38	-0.47	0.00	0.00	0.00	0.00
	0.00	0.00	88.47	0.00	0.00	0.00	0.00	0.38	-0.47	0.00
30	30.35	18.05	0.10E-07	1.25	0.45	-0.48	0.00	0.00	0.00	0.00
	0.00	0.00	87.26	0.00	0.00	0.00	0.00	0.45	-0.48	0.00
31	30.00	20.02	0.09E-06	1.28	0.53	-0.48	0.00	0.00	0.01	0.01
	0.00	0.00	90.02	0.00	0.00	0.00	0.00	0.53	-0.48	0.00
32	29.88	22.08	0.09E-06	1.28	0.59	-0.48	0.00	0.00	-0.01	-0.01
	0.00	0.00	88.11	0.00	0.00	0.00	0.00	0.59	-0.48	0.00

PROPELLSIVE NING FORCE DATA

SUMMARY. RUN 226

PT	ALPHA	BETA	REV NO	CLIS	CAF18	CPM15	CYR15	CSF15	CSF18	CSF18
			HEIGHT	CH18	CH18	CH18	CH18	CH18	CH18	CH18
1	21.15	-2.03	0.03E-06	1.18	-0.15	-0.02	0.00	0.00	0.00	0.01
	0.00	0.00	88.34	0.00	0.47	0.47	0.00	0.00	0.00	0.01
2	21.15	-0.01	0.03E-06	1.29	-0.11	-0.05	0.00	0.00	0.00	0.01
	0.00	0.00	88.54	0.00	0.48	0.48	0.00	0.00	0.00	0.01
3	21.15	2.06	0.03E-06	1.42	-0.06	-0.06	0.00	0.00	0.00	0.01
	0.00	0.00	87.38	0.00	0.48	0.48	0.00	0.00	0.00	0.01
4	21.15	4.07	0.03E-06	1.52	-0.02	-0.02	0.00	0.00	0.00	0.01
	0.00	0.00	88.07	0.00	0.48	0.48	0.00	0.00	0.00	0.01
5	21.15	8.02	0.03E-06	1.64	0.02	-0.05	0.00	0.00	0.00	0.01
	0.00	0.00	88.35	0.00	0.48	0.48	0.00	0.00	0.00	0.01
6	21.04	8.02	0.03E-06	1.78	0.10	-0.08	0.00	0.00	0.00	0.00
	0.00	0.00	87.01	0.00	0.48	0.48	0.00	0.00	0.00	0.00
7	20.32	10.47	0.03E-06	1.81	0.18	-0.02	0.00	0.00	0.00	0.00
	0.00	0.00	87.78	0.00	0.47	0.47	0.00	0.00	0.00	0.00
8	20.61	12.05	0.03E-06	2.07	0.28	-0.07	0.00	0.00	0.00	0.01
	0.00	0.00	88.89	0.00	0.48	0.48	0.00	0.00	0.00	0.01
9	21.04	14.02	0.03E-06	2.18	0.35	-0.08	0.00	0.00	0.00	0.00
	0.00	0.00	88.88	0.00	0.47	0.47	0.00	0.00	0.00	0.00
10	20.92	16.07	0.03E-06	2.31	0.45	-0.12	0.00	0.00	0.00	0.01
	0.00	0.00	88.15	0.00	0.47	0.47	0.00	0.00	0.00	0.01
11	20.38	18.05	0.03E-06	2.42	0.55	-0.14	0.00	0.00	0.00	0.01
	0.00	0.00	87.58	0.00	0.48	0.48	0.00	0.00	0.00	0.01
12	20.61	20.02	0.03E-06	2.51	0.68	-0.16	0.00	0.00	0.00	0.01
	0.00	0.00	91.14	0.00	0.48	0.48	0.00	0.00	0.00	0.01
13	20.69	22.08	0.03E-06	2.83	0.81	-0.18	0.00	0.00	0.00	0.00
	0.00	0.00	89.00	0.00	0.48	0.48	0.00	0.00	0.00	0.00

PROPOSITIVE FORCE DATA

SUMMARY. RUN 230

PT	Q ALPHA BETA	KEY INQ HEIGHT	CL15 CAF15 CMC	CR15 CAF15 CMC	CPM15 CPM15 CMU7	CMU15 CMU15 CL1R	CYN15 CYN15 CTR	CS15 CS15 CTR
1	2.53 -1.00 0.00	0.28E+06 82.78	3.12 3.20 0.00	-2.18 -2.08 3.70	-2.34 -2.34 3.70	0.01 0.01 1.10	-0.01 -0.01 0.28	0.00 0.00 -1.26
2	2.53 -0.01 0.00	0.28E+06 89.78	3.28 3.28 0.00	-2.10 -2.30 3.71	-2.30 -2.30 3.71	0.00 0.00 1.16	0.01 0.00 0.32	-0.04 -0.04 -1.33
3	2.53 2.02 0.00	0.28E+06 87.83	2.50 3.43 0.00	-1.50 -2.10 3.72	-2.43 -2.43 3.72	0.01 0.01 1.30	0.01 0.01 0.34	-0.07 -0.01 -1.37
4	2.53 4.00 0.00	0.28E+06 88.32	3.78 3.64 0.00	-1.85 -2.11 3.72	-2.50 -2.50 3.72	0.01 0.01 1.48	0.01 0.01 0.44	-0.06 -0.01 -1.44
5	2.65 0.00 0.00	0.30E+06 87.54	3.72 3.52 0.00	-1.68 -2.08 3.61	-2.48 -2.48 3.61	0.01 0.01 1.43	0.01 0.01 0.44	-0.10 -0.01 -1.46
6	2.65 8.00 0.00	0.30E+06 88.85	3.80 3.55 0.00	-1.58 -2.07 3.62	-2.57 -2.57 3.62	0.01 0.01 1.43	0.01 0.01 0.48	-0.09 -0.01 -1.55
7	2.65 10.02 0.00	0.30E+06 88.05	4.14 3.84 0.00	-1.38 -2.08 3.63	-2.58 -2.58 3.63	0.01 0.01 1.60	0.01 0.01 0.58	-0.10 -0.01 -1.55
8	2.53 12.00 0.00	0.28E+06 85.92	4.48 4.11 0.00	-1.26 -2.18 3.60	-2.75 -2.75 3.60	0.01 0.01 1.65	0.01 0.01 0.63	-0.14 -0.01 -1.68
9	2.53 14.01 0.00	0.28E+06 85.74	4.71 4.30 0.00	-1.09 -2.20 3.60	-2.72 -2.72 3.60	0.01 0.01 2.01	0.01 0.01 0.78	-0.11 -0.01 -1.64
10	2.65 16.02 0.00	0.30E+06 86.52	4.86 4.74 0.00	-0.86 -2.11 3.64	-2.70 -2.70 3.64	0.01 0.01 2.02	0.00 0.01 0.84	-0.13 -0.01 -1.67
11	2.65 18.01 0.00	0.30E+06 87.45	4.82 4.38 0.00	-0.64 -2.10 3.57	-2.77 -2.77 3.57	0.02 0.02 2.17	0.00 0.01 0.94	-0.12 -0.01 -1.76
12	2.65 20.01 0.00	0.30E+06 91.82	4.44 4.44 0.00	-0.42 -2.06 3.48	-2.67 -2.67 3.48	0.02 0.02 2.23	0.01 0.02 1.04	-0.17 -0.02 -1.83
13	2.65 21.00 0.00	0.30E+06 89.08	5.18 4.78 0.00	-0.16 -2.10 3.54	-2.78 -2.78 3.54	0.02 0.02 2.48	0.00 0.00 1.23	-0.12 -0.02 -1.78

PROGRESSIVE WING FORCE DATA

S U M M A R Y . P U B . 349

PT	Q ALPHA	REV NO	CL 15	CB 15	CPW 15	CM 15	CS 15	CS 15	CS 15
	BETA	RELENT	CMC	CAF	CMW	CMT	CMW	CMW	CMW
1	1.38	0.23E+00	4.87	-4.30	-3.52	0.02	0.02	0.02	0.14
	-2.01	0.53E+00	4.82	-4.14	-3.52	0.02	0.02	0.02	-0.14
	0.00		0.00	0.00	0.00	0.02	0.02	0.02	-1.07
2	1.38	0.23E+00	4.93	-4.00	-3.52	0.02	0.02	0.02	-0.14
	-0.02	0.53E+00	4.93	-4.00	-3.52	0.02	0.02	0.02	-0.14
	0.00		0.00	0.00	0.00	1.03	0.02	0.02	-1.06
3	1.38	0.23E+00	5.07	-3.94	-3.07	0.02	0.02	0.02	-0.17
	-2.02	0.53E+00	4.93	-4.11	-3.07	0.02	0.02	0.02	-0.17
	0.00		0.00	0.00	0.00	1.00	0.02	0.02	-1.73
4	1.38	0.23E+00	5.26	-3.76	-2.81	0.02	0.02	0.02	-0.19
	-4.01	0.53E+00	5.08	-4.12	-2.81	0.02	0.02	0.02	-0.19
	0.00		0.00	0.00	0.00	1.14	0.02	0.02	-1.06
5	1.38	0.23E+00	5.72	-3.53	-2.50	0.02	0.02	0.02	-0.13
	-0.01	0.53E+00	5.27	-4.11	-2.50	0.02	0.02	0.02	-0.13
	0.00		0.00	0.00	0.00	1.37	0.02	0.02	-1.04
6	1.38	0.23E+00	5.88	-3.33	-2.50	0.02	0.02	0.02	-0.11
	-0.00	0.53E+00	5.36	-4.11	-2.50	0.02	0.02	0.02	-0.11
	0.00		0.00	0.00	0.00	1.30	0.02	0.02	-2.04
7	1.38	0.23E+00	6.18	-3.13	-4.02	0.02	0.02	0.02	-0.13
	-0.00	0.53E+00	5.34	-4.10	-4.02	0.02	0.02	0.02	-0.13
	0.00		0.00	0.00	0.00	1.32	0.02	0.02	-2.07
8	1.38	0.23E+00	6.42	-2.80	-4.00	0.02	0.02	0.02	-0.10
	-0.00	0.53E+00	5.68	-4.15	-4.00	0.02	0.02	0.02	-0.10
	0.00		0.00	0.00	0.00	1.07	0.02	0.02	-2.12
9	1.38	0.23E+00	6.98	-2.63	-4.07	0.02	0.02	0.02	-0.01
	-0.00	0.53E+00	5.88	-4.15	-4.07	0.02	0.02	0.02	-0.01
	0.00		0.00	0.00	0.00	1.00	0.02	0.02	-2.12
0	1.38	0.23E+00	6.98	-2.26	-4.13	0.02	0.02	0.02	-0.17
	-0.00	0.53E+00	5.88	-4.17	-4.13	0.02	0.02	0.02	-0.17
	0.00		0.00	0.00	0.00	1.00	0.02	0.02	-2.31
1	1.38	0.23E+00	7.13	-2.10	-4.13	0.02	0.02	0.02	-0.30
	-0.00	0.53E+00	6.13	-4.20	-4.13	0.02	0.02	0.02	-0.30
	0.00		0.00	0.00	0.00	2.02	0.02	0.02	-2.16
2	1.38	0.23E+00	7.23	-1.86	-4.22	0.02	0.02	0.02	-0.38
	-0.00	0.53E+00	6.18	-4.27	-4.22	0.02	0.02	0.02	-0.38
	0.00		0.00	0.00	0.00	2.01	1.02	0.02	-2.37
3	1.38	0.23E+00	7.31	-1.52	-4.22	0.02	0.02	0.02	-0.30
	-0.00	0.53E+00	6.40	-4.22	-4.22	0.02	0.02	0.02	-0.30
	0.00		0.00	0.00	0.00	2.18	1.18	0.02	-2.37

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 244											
PT	Q	CLIS	CPHIS	CPHIS	CLIS	CPHIS	CPHIS	CLIS	CPHIS	CPHIS	CLIS
ALPHA	REF NO	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18
BETA	HEIGHT	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18
1	21.04	1.00	-0.26	-0.25	0.01	0.00	0.00	0.00	0.00	0.00	0.01
	-2.01	0.83E+06	1.10	-0.32	-0.25	0.01	0.00	0.00	0.00	0.00	0.01
	0.00	81.87	0.36	0.48	0.72	0.76	0.10	-0.24			
2	20.82	1.27	-0.32	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	0.83E+06	1.27	-0.32	-0.26	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	82.57	0.36	0.47	0.73	0.81	0.21	-0.25			
3	20.82	1.48	-0.16	-0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	2.02	0.83E+06	1.48	-0.21	-0.29	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	87.44	0.36	0.47	0.73	1.00	0.26	-0.25			
4	20.82	1.88	-0.06	-0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	4.02	0.83E+06	1.88	-0.21	-0.32	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	88.14	0.36	0.47	0.73	1.26	0.32	-0.31			
5	20.82	1.87	0.00	-0.32	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	6.02	0.83E+06	1.86	-0.20	-0.32	0.01	0.00	0.00	0.00	0.00	0.00
	0.00	84.28	0.36	0.47	0.72	1.48	0.39	-0.22			
6	20.82	2.08	0.11	-0.36	0.01	0.00	0.00	0.00	0.00	0.00	0.01
	8.02	0.83E+06	2.08	-0.16	-0.36	0.01	0.00	0.00	0.00	0.00	0.01
	0.00	85.12	0.35	0.48	0.71	1.68	0.48	-0.25			
7	20.82	2.32	0.24	-0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	16.02	0.83E+06	2.32	-0.17	-0.37	0.01	0.00	0.00	0.00	0.00	0.01
	0.00	83.04	0.35	0.48	0.72	1.81	0.50	-0.26			
8	21.04	2.81	0.36	-0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	11.88	0.83E+06	2.81	-0.17	-0.36	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	84.75	0.35	0.48	0.71	2.08	0.70	-0.25			
9	21.15	2.88	0.48	-0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13.98	0.83E+06	2.72	-0.17	-0.34	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	85.51	0.35	0.48	0.71	2.24	0.82	-0.23			
10	21.04	2.85	0.63	-0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	15.98	0.83E+06	2.92	-0.15	-0.33	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	87.12	0.35	0.48	0.71	2.40	0.85	-0.22			
11	20.81	3.01	0.77	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17.88	0.83E+06	3.10	-0.16	-0.30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	88.11	0.36	0.47	0.72	2.54	1.07	-0.28			
12	21.04	3.12	0.82	-0.29	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	20.00	0.83E+06	3.24	-0.20	-0.29	0.01	0.00	0.00	0.00	0.00	0.00
	0.00	88.52	0.35	0.48	0.71	2.84	1.20	-0.24			
13	21.04	3.28	1.00	-0.24	0.01	0.00	0.00	0.00	0.00	0.00	0.01
	22.01	0.83E+06	3.42	-0.22	-0.24	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	83.47	0.35	0.48	0.72	2.77	1.34	-0.23			

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 243											
PT	Q	CLIS	CPHIS	CPHIS	CLIS	CPHIS	CPHIS	CLIS	CPHIS	CPHIS	CLIS
ALPHA	REF NO	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18
BETA	HEIGHT	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18	CH/18
2	30.12	0.38	0.00	-0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	-2.01	0.99E+06	0.35	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	81.21	0.00	0.00	0.38	0.12	-0.16				
3	30.12	0.47	0.11	-0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	0.01	0.99E+06	0.47	0.11	-0.13	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	88.00	0.00	0.00	0.47	0.14	-0.15				
4	28.88	0.56	0.13	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	1.98	0.99E+06	0.57	0.11	-0.11	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	88.22	0.00	0.00	0.56	0.15	-0.12				
5	30.00	0.87	0.15	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	4.02	0.99E+06	0.88	0.10	-0.09	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	85.03	0.00	0.00	0.87	0.18	-0.11				
6	30.23	0.80	0.18	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6.02	0.99E+06	0.81	0.10	-0.09	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	84.18	0.00	0.00	0.78	0.21	-0.11				
7	30.12	1.01	0.24	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7.98	0.99E+06	1.02	0.10	-0.11	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	84.37	0.00	0.00	1.01	0.27	-0.12				
8	30.00	1.14	0.28	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10.00	0.99E+06	1.17	0.09	-0.08	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	83.28	0.00	0.00	1.13	0.32	-0.09				
9	30.12	1.16	0.32	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12.01	0.99E+06	1.21	0.07	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	83.87	0.00	0.00	1.16	0.35	-0.03				
10	30.12	1.38	0.42	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14.03	0.99E+06	1.44	0.07	-0.04	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	85.34	0.00	0.00	1.37	0.45	-0.06				
11	30.12	1.48	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15.98	0.99E+06	1.54	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	88.25	0.00	0.00	1.45	0.52	-0.02				
12	30.12	1.82	0.80	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	18.02	0.99E+06	1.72	0.07	-0.09	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	87.85	0.00	0.00	1.81	0.63	-0.10				
13	30.00	1.88	0.88	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	18.98	0.99E+06	1.92	0.08	-0.11	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	87.78	0.00	0.00	1.87	0.71	-0.13				
14	30.00	1.77	0.78	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	21.89	0.99E+06	1.84	0.08	-0.11	0.00	0.00	0.00	0.00	0.00	0.01
	0.00	84.43	0.00	0.00	1.78	0.81	-0.13				

PROPULSIVE WIND FORCE DATA

SUMMARY. NUM 247

[illegible]

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 348

[illegible]

PROPULSIVE MING FORCE DATA

SUMMARY, RUN 251													
PT	Q	CLIS	CMIS	CSFIS	CLIS	CMIS	CSFIS	CLIS	CMIS	CSFIS	CLIS	CMIS	CSFIS
ALPHA	REY MO	CHIB	CHIB	CHIB	CHIB	CHIB	CHIB	CHIB	CHIB	CHIB	CHIB	CHIB	CHIB
BETA	HEIGHT	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC
1	20.92	0.82E+06	0.45	0.37	0.00	0.00	0.00	0.58	0.48	0.00	0.00	0.00	0.13
	-2.00	83.29	0.46	0.37	0.00	0.00	0.00	0.60	0.48	0.00	0.00	0.00	0.03
	0.00		0.27	0.27	0.35	0.08	0.28	0.52	0.52	0.38	0.08	0.34	
2	21.15	0.52E+06	0.49	0.40	0.00	0.00	0.00	0.66	0.52	0.00	0.00	0.00	0.03
	-0.01	80.10	0.40	0.40	0.00	0.00	0.00	0.66	0.52	0.00	0.00	0.00	0.03
	0.00		0.25	0.25	0.38	0.09	0.33	0.53	0.53	0.44	0.10	0.38	
3	21.04	0.82E+06	0.54	0.45	0.00	0.00	0.00	0.70	0.57	0.00	0.00	0.00	0.02
	2.00	88.11	0.54	0.45	0.00	0.00	0.00	0.69	0.57	0.00	0.00	0.00	0.02
	0.00		0.26	0.26	0.43	0.10	0.38	0.52	0.52	0.47	0.11	0.43	
4	21.15	0.82E+06	0.61	0.48	0.00	0.00	0.00	0.77	0.63	0.00	0.00	0.00	0.02
	4.01	87.54	0.61	0.48	0.00	0.00	0.00	0.76	0.63	0.00	0.00	0.00	0.02
	0.00		0.28	0.28	0.48	0.12	0.42	0.51	0.51	0.53	0.14	0.48	
5	21.15	0.82E+06	0.67	0.54	0.00	0.00	0.00	0.83	0.68	0.00	0.00	0.00	0.03
	6.01	87.41	0.67	0.54	0.00	0.00	0.00	0.81	0.68	0.00	0.00	0.00	0.03
	0.00		0.28	0.28	0.53	0.14	0.47	0.51	0.51	0.58	0.16	0.54	
6	21.04	0.82E+06	0.74	0.58	0.00	0.00	0.00	0.92	0.74	0.00	0.00	0.00	0.02
	8.01	85.70	0.74	0.58	0.00	0.00	0.00	0.90	0.74	0.00	0.00	0.00	0.02
	0.00		0.26	0.26	0.61	0.17	0.52	0.52	0.52	0.66	0.19	0.59	
7	21.04	0.82E+06	0.81	0.64	0.00	0.00	0.00	1.00	0.78	0.00	0.00	0.00	0.01
	10.00	83.88	0.81	0.64	0.00	0.00	0.00	0.98	0.78	0.00	0.00	0.00	0.01
	0.00		0.26	0.26	0.67	0.20	0.57	0.52	0.52	0.73	0.22	0.64	
8	21.15	0.82E+06	0.87	0.69	0.00	0.00	0.00	1.05	0.83	0.00	0.00	0.00	0.02
	12.01	83.38	0.87	0.69	0.00	0.00	0.00	1.05	0.83	0.00	0.00	0.00	0.02
	0.00		0.26	0.26	0.73	0.23	0.62	0.52	0.52	0.78	0.26	0.68	
9	20.92	0.82E+06	0.93	0.75	0.00	0.00	0.00	1.14	0.87	0.00	0.00	0.00	0.03
	13.99	81.15	0.94	0.75	0.00	0.00	0.00	1.13	0.87	0.00	0.00	0.00	0.03
	0.00		0.28	0.28	0.78	0.27	0.68	0.52	0.52	0.86	0.30	0.73	
10	20.92	0.82E+06	0.98	0.80	0.00	0.00	0.00	1.23	0.83	0.00	0.00	0.00	0.05
	16.00	85.11	0.98	0.80	0.00	0.00	0.00	1.22	0.83	0.00	0.00	0.00	0.05
	0.00		0.26	0.26	0.84	0.31	0.73	0.53	0.53	0.94	0.36	0.79	
11	21.04	0.82E+06	1.02	0.85	0.00	0.00	0.00	1.28	0.88	0.00	0.00	0.00	0.04
	18.00	85.81	1.05	0.85	0.00	0.00	0.00	1.27	0.88	0.00	0.00	0.00	0.04
	0.00		0.26	0.26	0.87	0.35	0.78	0.52	0.52	0.98	0.40	0.83	
12	21.15	0.82E+06	1.08	0.89	0.00	0.00	0.00	1.34	0.94	0.00	0.00	0.00	0.04
	19.99	86.06	1.12	0.89	0.00	0.00	0.00	1.35	0.94	0.00	0.00	0.00	0.04
	0.00		0.25	0.25	0.93	0.40	0.82	0.52	0.52	1.03	0.45	0.88	
13	21.04	0.82E+06	1.14	0.94	0.00	0.00	0.00	1.41	0.98	0.00	0.00	0.00	0.04
	21.98	92.64	1.18	0.94	0.00	0.00	0.00	1.43	0.98	0.00	0.00	0.00	0.04
	0.00		0.26	0.26	0.98	0.46	0.87	0.52	0.52	1.16	0.51	0.94	

PROPELLSIVE MINE FORCE DATA

PT	ALPHA BETA	REV AND HEIGHT	SUMMARY				SUB 754			
			CL15 CMT18 CMSC	CB15 CAF18 CMM	CPM15 CPM18 CMT	CMR15 CMR18 CL18	CMR15 CMR18 CL18	CMR15 CMR18 CL18	CMR15 CMR18 CL18	CMR15 CMR18 CL18
3	0.00	0.300+00 88.78	13.93 13.93 0.00	-26.83 -26.83 18.01	-208.30 -208.30 18.01	-2.00 -2.01 18.13	-2.00 -2.01 18.13	-2.00 -2.01 18.13	-2.00 -2.01 18.13	-2.00 -2.01 18.13
4	0.00	0.300+00 88.78	22.81 22.82 0.00	-43.00 -43.00 0.00	-488.50 -488.50 0.00	1.15 1.15 16.70	1.15 1.15 16.70	1.15 1.15 16.70	1.15 1.15 16.70	1.15 1.15 16.70
5	0.00	0.300+00 88.78	31.11 31.13 0.00	-84.75 -84.75 0.00	-983.00 -983.00 0.00	0.38 0.37 14.48	0.38 0.37 14.48	0.38 0.37 14.48	0.38 0.37 14.48	0.38 0.37 14.48
6	0.00	0.300+00 88.78	42.03 42.07 0.00	-68.97 -68.95 0.00	-838.50 -838.50 0.00	3.97 3.97 17.31	3.97 3.97 17.31	3.97 3.97 17.31	3.97 3.97 17.31	3.97 3.97 17.31
7	0.00	0.300+00 88.78	55.21 55.20 0.00	-115.00 -115.00 0.00	-1275.00 -1275.00 0.00	8.44 8.44 22.15	8.44 8.44 22.15	8.44 8.44 22.15	8.44 8.44 22.15	8.44 8.44 22.15

PROPELLSIVE MINE FORCE DATA

PT	ALPHA BETA	REV AND HEIGHT	SUMMARY				SUB 753			
			CL15 CMT18 CMSC	CB15 CAF18 CMM	CPM15 CPM18 CMT	CMR15 CMR18 CL18	CMR15 CMR18 CL18	CMR15 CMR18 CL18	CMR15 CMR18 CL18	CMR15 CMR18 CL18
1	5.40 -2.00	0.420+00 88.78	0.85 0.85 1.01	-0.31 -0.48 0.00	0.85 0.85 1.01	0.00 0.00 0.44	0.00 0.00 0.44	0.00 0.00 0.44	0.00 0.00 0.44	0.00 0.00 0.44
2	5.52 -0.01	0.420+00 87.72	0.81 0.81 0.99	-0.48 -0.48 0.00	0.70 0.70 0.99	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
3	5.63 2.04	0.420+00 88.74	0.85 0.84 0.90	-0.42 -0.48 0.00	0.74 0.74 0.90	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
4	5.70 4.00	0.420+00 87.60	1.07 1.04 1.01	-0.40 -0.48 0.00	0.83 0.83 1.01	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
5	5.40 6.00	0.420+00 87.47	1.14 1.00 1.02	-0.38 -0.37 0.00	0.80 0.80 1.02	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
6	5.52 6.04	0.420+00 88.38	1.18 1.13 0.90	-0.30 -0.47 0.00	0.84 0.84 0.90	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
7	5.52 10.02	0.420+00 87.85	1.25 1.10 0.80	-0.33 -0.48 0.00	1.00 1.00 0.80	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
8	5.52 12.00	0.420+00 87.57	1.26 1.29 0.90	-0.10 -0.47 0.00	1.04 1.04 0.90	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
9	5.20 14.02	0.420+00 88.78	1.48 1.40 1.04	-0.14 -0.48 0.00	1.13 1.13 1.04	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
10	5.52 18.00	0.420+00 87.78	1.52 1.45 0.90	-0.05 -0.47 0.00	1.13 1.13 0.90	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
11	5.20 18.01	0.420+00 87.87	1.88 1.80 1.04	0.02 -0.40 0.00	1.21 1.21 1.04	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
12	5.40 20.03	0.420+00 88.87	1.88 1.80 1.01	0.00 -0.50 0.00	1.23 1.23 1.01	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
13	5.40 22.03	0.420+00 87.78	1.75 1.80 1.02	0.17 -0.50 0.00	1.27 1.27 1.02	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00

C-2

PROPOSALIVE MING FORCE DATA

PI	ALPHA DATA	NET MO NET MO	SUMMARY				SUM 795				SUM 795			
			CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPOSALIVE MING FORCE DATA

PI	ALPHA DATA	NET MO NET MO	SUMMARY				SUM 796				SUM 796			
			CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15	CL 15 CST 15
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRESSIVE MING FORCE DATA

PT	Q	SUMMARY										SUMMARY									
		ALPHA	NET MO	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15
1	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	21.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

[illegible][illegible]

P1	Al Pb Sn	MEV and mm	S O B R A Y, S B									
			CL 15 CH 10 CH 10	CH 10 CL 15 CH 10	CH 10 CH 10 CH 10	CH 10 CH 10 CH 10	CH 10 CH 10 CH 10	CH 10 CH 10 CH 10	CH 10 CH 10 CH 10	CH 10 CH 10 CH 10	CH 10 CH 10 CH 10	
20	0.00 -0.07 0.00	0.265-0.0 0.01	25.75 27.25 27.57	77.81 77.00 78.78	-82.20 -82.80 163.30	25.37 26.30 0.27	88.13 85.11 93.00	1.00 1.00 -0.10	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	
21	0.00 -0.07 0.00	0.265-0.0 0.01	40.50 40.50 40.50	100.30 100.77 100.77	-82.20 -82.80 144.00	25.40 26.43 5.47	100.00 100.00 1.1	2.13 2.13 -0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	
32	0.00 -0.07 0.00	0.265-0.0 0.01	35.20 35.00 35.00	124.50 124.50 124.50	-82.20 -82.80 160.00	22.00 22.00 0.33	112.00 112.00 1.47	3.00 3.00 -0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	
33	0.00 -0.07 0.00	0.265-0.0 0.01	81.62 81.67 80.50	140.00 140.00 190.00	-80.00 -80.00 210.50	40.00 40.00 0.40	120.00 120.00 -0.00	2.00 2.00 -0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	
34	0.00 -0.07 0.00	0.265-0.0 0.01	66.00 66.00 66.00	166.70 166.70 166.70	-80.00 -80.00 275.50	41.50 41.50 1.71	122.00 122.00 1.00	2.13 2.13 -0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	

PROPELISIVE MINE FORCE DATA

PI	Q	ALPHA	BETA	RET MD	RET MD	SUMMARY					RUM 200					CSF 15				
						CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15
1	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELISIVE MINE FORCE DATA

PI	Q	ALPHA	BETA	RET MD	RET MD	SUMMARY					RUM 200					CSF 15				
						CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PI	ALPHA BETA	REY MO HEIGHT	SUMMARY				SUMMARY				SUMMARY			
			CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10	CLIS CMT 10
16	30.12	0.104-07	0.11	0.02	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	30.12	0.104-07	0.14	0.02	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	30.00	0.104-07	0.17	0.03	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	30.00	0.104-07	0.21	0.03	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	30.00	0.104-07	0.25	0.04	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	32.00	0.104-07	0.29	0.05	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	28.00	0.104-07	0.34	0.07	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	30.00	0.104-07	0.38	0.08	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	30.12	0.104-07	0.41	0.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	30.00	0.104-07	0.45	0.13	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	30.12	0.104-07	0.49	0.14	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	28.00	0.104-07	0.53	0.16	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	28.00	0.104-07	0.57	0.18	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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PROPELLSIVE MINE FORCE DATA

PI	ALPHA BETA	REL NO HEIGHT	SUMMARY				SUMMARY				SUMMARY			
			CLIS	CSFIS	CMRIS	CLIS	CLIS	CSFIS	CMRIS	CLIS	CLIS	CSFIS	CMRIS	CLIS
29	0.00	0.340-00	12.77	-4.84	-325.50	4.81	18.00	-0.07	18.00	-0.07	18.00	-0.07	18.00	-0.07
	0.00	88.31	0.00	18.82	18.82	31.44	4.00	-338.40						
30	0.00	0.340-00	27.34	-15.93	-817.00	2.50	23.38	-0.37	23.38	-0.37	23.38	-0.37	23.38	-0.37
	0.00	88.31	0.00	18.82	18.82	31.11	-1.84	-821.50						
31	0.00	0.340-00	44.38	-28.23	-1071.00	7.50	45.17	-2.20	45.17	-2.20	45.17	-2.20	45.17	-2.20
	0.00	88.31	0.00	48.74	48.74	36.72	-1.54	-1077.00						

PROPELLSIVE MINE FORCE DATA

PI	ALPHA BETA	REL NO HEIGHT	SUMMARY				SUMMARY				SUMMARY			
			CLIS	CSFIS	CMRIS	CLIS	CLIS	CSFIS	CMRIS	CLIS	CLIS	CSFIS	CMRIS	CLIS
2	0.00	0.340-00	13.81	-12.97	-438.00	5.50	10.80	-0.83	10.80	-0.83	10.80	-0.83	10.80	-0.83
	0.00	79.37	0.00	27.86	27.86	8.29	11.29	-143.40						
3	0.00	0.340-00	22.00	-17.00	-872.32	2.07	26.32	-1.00	26.32	-1.00	26.32	-1.00	26.32	-1.00
	0.00	79.37	0.00	28.58	28.58	12.79	14.52	-820.50						
4	0.00	0.340-00	30.00	-22.71	-804.00	4.84	23.58	-1.23	23.58	-1.23	23.58	-1.23	23.58	-1.23
	0.00	79.37	0.00	50.71	50.71	17.32	18.37	-812.70						
5	0.00	0.340-00	38.71	-28.45	-1004.00	7.77	48.11	-2.83	48.11	-2.83	48.11	-2.83	48.11	-2.83
	0.00	79.37	0.00	82.11	82.11	22.63	21.00	-1016.00						

PROPOSITIVE THINKING FORCE DATA

S. 00644 A. 00 V. 0000 270

PI	Q ALPHA Br T	REV MO REIGN	CLIS CHT L8 CHUC	CDIS LAF B CHUC	CMNIS CMNIS CHMT	CMNIS CMNIS CLTR	CMNIS CMNIS CDBR	CSFHS CSFHS CSTH
1	2.53 -2.61 0.00	0.28E+06 81.99	1.93 1.95 0.00	-0.71 -0.64 1.97	-1.48 -1.48 1.97	0.00 0.00 0.78	0.01 0.01 0.21	-0.02 -0.02 -0.50
2	2.41 0.00 0.00	0.28E+06 88.13	2.16 2.16 0.00	-0.87 -0.87 2.07	-1.57 -1.57 2.07	0.00 0.00 0.83	0.01 0.01 0.28	-0.01 -0.01 -0.54
3	2.53 1.92 0.00	0.28E+06 88.28	2.23 2.21 0.00	-0.56 -0.83 1.87	-1.55 -1.55 1.87	0.00 0.00 1.02	0.01 0.01 0.28	0.00 1.20 -0.55
4	2.53 4.02 0.00	0.28E+06 87.78	2.30 2.26 0.00	-0.48 -0.65 1.87	-1.54 -1.54 1.87	0.00 0.00 1.06	0.01 0.01 0.31	-0.31 -0.01 -0.55
5	2.53 6.01 0.00	0.28E+06 85.89	2.37 2.31 0.00	-0.42 -0.65 1.37	-1.54 -1.54 1.87	0.00 0.00 1.10	0.01 0.01 0.34	-0.03 -0.03 -0.55
6	2.53 8.02 0.00	0.28E+06 85.00	2.55 2.48 0.00	-0.32 -0.67 1.98	-1.61 -1.61 1.98	0.00 0.00 1.28	0.01 0.01 0.39	-0.07 -0.07 -0.62
7	2.53 11.98 0.00	0.28E+06 87.34	2.80 2.71 0.00	-0.13 -0.71 1.97	-1.64 -1.64 1.87	0.00 0.00 1.45	0.02 0.02 0.48	-0.12 -0.12 -0.65
8	2.53 16.02 0.00	0.28E+06 85.54	2.83 2.70 0.00	0.07 -0.71 1.95	-1.60 -1.60 1.95	-0.01 -0.01 1.47	0.01 0.01 0.59	-0.20 -0.00 -0.63
9	2.53 17.80 0.00	0.28E+06 86.37	2.82 2.73 0.00	0.15 -0.73 1.94	-1.58 -1.58 1.94	-0.01 -0.01 1.44	0.02 0.01 0.62	-0.10 -0.02 -0.58
10	2.53 21.80 0.00	0.28E+06 88.78	3.06 3.01 0.00	0.47 -0.71 1.94	-1.61 -1.61 1.94	0.00 0.00 1.65	0.02 0.01 0.64	-0.11 -0.02 -0.64

PROGRESSIVE MINING FORCE DATA

SUMMARY. 275

Pt	Q ALPHA BETA	REV NO HEIGHT	CLIS CAP IS CMUC	CBIS CAP IS CMUN	CMNIS CMNIB CMNT	CMNIS CMNIB CLTR	CMNIS CMNIB CDBR	CSNIS CSNIB CSTR
1	4.94 -2.00 0.00	0.40E+08 88.64	1.35 1.36 0.00	-0.28 1.01 0.00	-1.01 -1.01 1.01	0.00 0.00 0.77	0.00 0.00 0.22	0.01 0.01 -0.50
2	5.06 0.02 0.00	0.40E+08 88.72	1.42 1.42 0.00	-0.30 0.20 0.98	-0.98 -0.98 0.98	0.00 0.00 0.84	0.00 0.00 0.23	-0.01 -0.01 -0.50
3	5.06 2.01 0.00	0.40E+08 89.23	1.51 1.50 0.00	-0.15 -0.21 0.98	-1.02 -1.02 0.98	0.00 0.00 0.90	0.00 0.00 0.26	3.01 0.01 -0.52
4	5.06 3.98 0.00	0.40E+08 89.68	1.58 1.57 0.00	-0.11 -0.22 0.98	-1.03 -1.03 0.98	0.00 0.00 0.97	0.00 0.00 0.28	-0.01 -0.01 -0.54
5	5.06 8.01 0.00	0.40E+08 88.85	1.88 1.87 0.00	-0.07 -0.24 0.98	-1.04 -1.04 0.98	0.00 0.00 1.06	0.00 0.00 0.31	-0.04 -0.01 -0.55
6	5.06 8.00 0.00	0.40E+08 87.18	1.82 1.82 0.00	0.01 -0.24 0.98	-1.07 -1.07 0.98	0.00 0.00 1.18	0.00 0.00 0.37	-0.02 -0.02 -0.57
7	5.06 12.00 0.00	0.40E+08 88.83	2.07 2.06 0.00	0.17 -0.27 0.98	-1.16 -1.16 0.98	0.00 0.00 1.40	0.01 0.01 0.48	-0.03 -0.03 -0.88
8	4.84 15.88 0.00	0.40E+08 88.23	2.18 2.18 0.00	0.31 -0.30 1.01	-1.15 -1.15 1.01	-0.01 -0.01 1.47	0.00 0.00 0.58	-0.04 -0.04 -0.64
9	4.94 17.58 0.00	0.40E+08 88.97	2.13 2.15 0.00	0.38 -0.30 0.99	-1.09 -1.08 0.99	-0.01 -0.01 1.43	0.00 0.00 0.82	-0.05 -0.05 -0.59
10	4.94 22.01 0.00	0.40E+08 88.85	2.31 2.36 0.00	0.63 -0.28 1.01	-1.14 -1.14 1.01	-0.01 -0.01 1.58	0.01 0.01 0.82	-0.06 -0.06 -0.84

PROPULSIVE WIND FORCE DATA

SUMMARY.

555

PT	Q ALPHA	REV NO HEIGHT	CLIS CMF IN	CDIS CAF IN	CPMIS CMF IN	CMHIS CLF IN	CVNIS CMF IN	CSNIS CMF IN
1	2.53 -1.98 5.01	0.28E+06 80.88	1.85 1.87 0.00	-0.71 -0.95 1.98	-1.48 -1.48 1.98	-0.01 -0.01 0.71	0.01 0.01 0.71	-0.12 -0.17 -0.40
-2	2.53 -6.01 5.01	0.28E+06 87.88	2.01 2.01 0.00	-0.84 -0.84 1.98	-1.52 -1.52 1.98	-0.01 -0.01 0.83	0.02 0.01 0.75	-0.11 -0.11 -0.53
3	2.41 2.01 5.01	0.28E+06 89.87	2.24 2.22 0.00	-0.81 -0.88 2.08	-1.58 -1.58 2.08	-0.01 -0.01 0.88	0.02 0.01 0.77	-0.13 -0.13 -0.54
4	2.41 4.02 5.01	0.28E+06 91.48	2.23 2.20 0.00	-0.84 -0.70 2.08	-1.58 -1.58 2.08	-0.01 -0.01 0.84	0.03 0.02 0.70	-0.14 -0.14 -0.15
5	2.53 3.98 5.01	0.28E+06 90.78	2.41 2.35 0.00	-0.41 -0.88 1.98	-1.58 -1.58 1.98	0.00 -0.01 1.15	0.02 0.01 0.34	-0.17 -0.17 -0.59
6	2.53 7.89 5.01	0.28E+06 95.38	2.51 2.44 0.00	-0.34 -0.68 1.87	-1.60 -1.60 1.87	0.00 0.00 1.22	0.02 0.02 0.38	-0.18 -0.18 -0.41
7	2.53 11.88 5.01	0.28E+06 97.88	2.75 2.66 0.00	-0.17 -0.71 1.98	-1.83 -1.83 1.98	-0.01 -0.01 1.41	0.01 0.01 0.48	-0.18 -0.18 -0.84
8	2.53 15.88 5.01	0.28E+06 95.88	2.76 2.68 0.00	0.02 -0.74 1.87	-1.84 -1.84 1.87	-0.02 -0.02 1.38	0.01 0.00 0.55	-0.19 -0.19 -0.55
9	2.49 17.98 5.01	0.28E+06 98.03	2.88 2.80 0.00	-0.68 -0.77 2.08	-1.88 -1.88 2.08	-0.02 -0.02 1.53	0.00 0.00 0.87	-0.17 -0.17 -0.84
0	2.30 22.00 5.01	0.27E+06 99.08	3.24 3.17 0.00	0.44 -0.81 2.18	-1.77 -1.77 2.18	-0.02 -0.02 1.87	0.01 0.00 0.88	-0.22 -0.22 -0.88

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PROPELLIVE WING FORCE DATA

SUMMARY, RUN 260													
PT	Q	CLIS	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18
ALPHA	REY NO	CLIS	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18
BETA	HEIGHT	CLIS	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18
2	30.00	0.37	0.11	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-2.00	0.38E+00	0.37	0.12	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	30.00	0.48	0.12	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-0.01	0.48E+00	0.48	0.12	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	87.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30.00	0.54	0.14	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2.02	0.54E+00	0.54	0.12	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	87.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30.00	0.62	0.15	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3.00	0.62E+00	0.62	0.11	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	30.12	0.72	0.17	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8.00	0.72E+00	0.72	0.10	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	30.12	0.80	0.20	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8.00	0.80E+00	0.80	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	30.00	1.01	0.28	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11.90	0.98E+00	1.05	0.07	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	87.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	30.00	1.10	0.41	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15.00	0.98E+00	1.21	0.08	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	87.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30.00	1.15	0.48	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17.00	0.98E+00	1.24	0.10	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	30.00	1.11	0.58	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21.00	0.98E+00	1.25	0.12	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	87.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLIVE WING FORCE DATA

SUMMARY, RUN 270													
PT	Q	CLIS	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18
ALPHA	REY NO	CLIS	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18
BETA	HEIGHT	CLIS	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18	CLIF 18
1	10.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-1.00	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	81.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.03	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	10.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1.00	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	87.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	10.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4.00	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	10.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8.00	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8.00	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11.90	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	18.00	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	83.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17.00	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	22.02	0.38E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.01	88.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	ALPHA DETA	KEY MD HEIGHT	SUMMARY				RUN 200				CSF 15			
			CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15
2	0.00	0.300-00	2.42	-4.31	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47
3	0.00	0.300-00	2.42	-4.30	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47
4	0.00	0.300-00	2.42	-4.30	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47
5	0.00	0.300-00	2.42	-4.30	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47
6	0.00	0.300-00	2.42	-4.30	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47

PROPELLSIVE MING FORCE DATA

PT	ALPHA DETA	KEY MD HEIGHT	SUMMARY				RUN 200				CSF 15			
			CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15	CL 15 CMT 15
2	0.00	0.300-00	2.42	-4.31	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47
3	0.00	0.300-00	2.42	-4.30	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47
4	0.00	0.300-00	2.42	-4.30	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47
5	0.00	0.300-00	2.42	-4.30	-158.00	-7.00	23.02	-2.47	23.02	-2.47	23.02	-2.47	23.02	-2.47

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PROGRESSIVE MIND FORCE DATA

JAN 22 1964

PT	Q ALPHA BETA	REV NO REVMT	CL15 CAF15 CMC	CR15 CAF15 CMH	CRN15 CMH1 CMH1	CRN15 CMH15 CL15	CTR15 CTR15 CTR1	CAF15 CMH15 CTR1
1	0.00 -2.00 0.00	0.44E+00 0.33.97	1.00 1.37 0.00	-0.10 -0.12 0.00	-1.10 -1.10 0.00	-0.01 -1.10 1.04	0.00 0.00 0.30	-0.01 -0.01 -0.00
2	3.00 -0.01 0.00	0.44E+00 00.95	1.73 1.73 0.00	-0.14 -0.14 1.01	-1.20 -1.01 1.01	-0.01 -1.01 1.07	0.01 0.01 0.32	-0.01 -0.01 -0.07
3	3.00 2.02 0.00	0.44E+00 00.37	1.00 1.00 0.00	-0.10 -0.10 1.01	-1.10 -1.10 1.01	-0.01 -0.01 1.13	0.00 0.00 0.34	-0.01 -0.01 -0.00
4	3.00 4.01 0.00	0.44E+00 03.37	0.25 1.04 0.00	-0.05 -0.10 1.01	-1.10 -1.20 1.01	-0.02 -0.02 1.10	0.01 0.01 0.30	-0.03 -0.03 -0.00
5	3.00 5.00 0.00	0.44E+00 07.30	1.00 1.00 0.00	-0.03 -0.10 1.00	-1.20 -1.20 1.00	-0.01 -0.01 1.20	0.01 0.01 0.42	-0.03 -0.03 -0.73
6	3.00 5.01 0.00	0.44E+00 00.00	2.11 2.10 0.00	0.10 -0.20 1.00	-1.20 -1.20 1.00	-0.01 -0.01 1.20	0.01 0.01 0.40	-0.03 -0.03 -0.73
7	3.00 11.00 1.00	0.44E+00 01.35	2.25 2.24 0.00	0.23 -0.20 1.00	-1.20 -1.20 1.00	-0.01 -0.02 1.00	0.01 0.02 0.30	-0.00 -0.00 -0.70
8	3.00 10.01 0.00	0.44E+00 03.51	2.22 2.24 0.00	0.40 -0.25 1.00	-1.23 -1.23 1.00	-0.02 -0.02 1.50	0.01 0.01 0.07	-0.00 -0.00 -0.70
9	3.00 17.00 0.00	0.44E+00 00.01	2.40 2.40 0.00	0.32 -0.25 1.01	-1.25 -1.25 1.01	-0.02 -0.02 1.01	0.02 0.01 0.70	-0.04 -0.04 -0.72
10	3.00 21.00 0.00	0.44E+00 00.03	2.33 2.33 0.00	0.70 -0.24 1.00	-1.24 -1.24 1.00	-0.02 -0.02 1.74	0.02 0.02 0.04	-0.00 -0.00 -0.71

COMPENSATIVE AND FORCE DATA

RECEIVED

PT	Q ALPHA BETA	REV AND ACTIVITY	CL 15 CAY 16 CAY 18	CS15 CAY 16 CAY 18	CPH15 CAY 16 CAY 18	CHH15 CAY 16 CAY 18	CHH15 CAY 16 CAY 18	CHH15 CAY 16 CAY 18
20	12.10 -1.00 0.00	0.03E+00 02.33	1.34 1.34 0.00	0.02 0.00 0.00	-0.07 0.46 0.00	-0.01 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
30	12.07 -0.02 0.00	0.02E+00 00.20	1.30 1.30 0.00	0.04 0.04 0.00	-0.00 0.00 0.00	-0.01 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
31	12.07 2.03 0.00	0.02E+00 07.01	1.30 1.30 0.00	0.00 0.03 0.00	-0.00 0.00 0.00	-0.01 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
22	12.07 0.00 0.00	0.02E+00 00.00	1.00 1.00 0.00	0.12 0.02 0.00	-0.00 0.00 0.00	-0.01 0.00 0.00	0.00 0.00 0.00	-0.01 0.00 0.00
23	11.90 0.01 0.00	0.02E+00 05.01	1.50 1.50 0.00	0.10 0.01 0.00	-0.02 0.00 0.00	-0.01 0.00 0.00	0.00 0.00 0.00	-0.01 0.00 0.00
24	11.95 0.01 0.00	0.02E+00 04.00	1.70 1.70 0.00	0.20 0.01 0.00	-0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	-0.01 0.00 0.00
26	11.84 12.03 0.00	0.02E+00 00.37	2.02 2.00 0.00	0.02 0.00 0.00	-0.01 0.00 0.00	-0.01 0.00 0.00	0.00 0.00 0.00	-0.01 0.00 0.00
28	12.07 10.00 0.00	0.02E+00 00.70	1.03 1.00 0.00	0.11 0.00 0.00	-0.00 0.00 0.00	-0.01 0.00 0.00	0.01 0.00 0.00	-0.01 0.00 0.00
37	11.84 17.00 0.00	0.02E+00 00.00	2.00 2.10 0.00	0.03 0.00 0.00	-0.00 0.00 0.00	-0.01 0.00 0.00	0.01 0.00 0.00	-0.02 0.00 0.00
38	11.90 23.00 0.00	0.02E+00 00.00	2.14 2.30 0.00	0.03 0.00 0.00	-0.00 0.00 0.00	-0.02 0.00 0.00	0.01 0.00 0.00	-0.01 0.00 0.00

PROFESSIVE WING FORCE DATA

SUMMARY. 200 200

[illegible]

PROPOSITIVE MIND FORCE DATA

LIBRARY. NOV 20 1966

PT	ALL DATA	NET NO RENT	CL 15 CAP 15 CMC	CPH15 CPH15 CMY	CMH15 CL15	CTH15 CTH15	CSH15 CSH15
1	2.99 -2.00 0.00	0.31E+00 02.30	2.30 2.00 0.00	-0.04 -1.70 2.03	-0.01 -0.01 1.00	0.01 0.01 0.33	-0.03 -0.00 -0.00
2	2.99 0.02 0.00	0.31E+00 00.33	2.31 2.01 0.00	-1.03 -1.03 2.03	-0.01 -0.01 1.16	0.01 0.01 0.30	-0.01 -0.01 -0.75
3	2.99 1.00 0.00	0.31E+00 00.00	2.01 2.00 0.00	-1.04 -1.04 2.03	-0.01 -0.01 1.75	0.01 0.01 0.41	-0.00 -0.01 -0.77
4	2.99 1.70 0.00	0.31E+00 00.00	2.00 2.00 0.00	-1.01 -1.01 2.03	-0.01 -0.01 1.70	0.01 0.01 0.30	-0.04 -0.04 -0.70
5	2.99 4.03 0.00	0.31E+00 00.71	2.07 2.03 0.00	-1.70 -1.70 2.07	-0.02 -0.02 1.30	0.01 0.01 0.43	-0.03 -0.03 -0.13
6	2.99 5.01 0.00	0.31E+00 00.30	2.73 2.00 0.00	-1.00 -1.00 2.03	-0.02 -0.02 1.31	0.07 0.02 0.40	-0.00 -0.00 -0.70
7	2.99 7.00 0.00	0.31E+00 00.00	2.04 2.70 0.00	-1.00 -1.00 2.03	-0.02 -0.02 1.30	0.02 0.01 0.40	-0.00 -0.00 -0.77
8	2.99 12.00 0.00	0.31E+00 07.01	2.07 2.00 0.00	-1.70 -1.70 2.03	-0.03 -0.03 1.00	0.02 0.01 0.30	-0.00 -0.00 -0.71
9	2.99 16.00 0.00	0.31E+00 07.07	2.00 2.07 0.00	-1.70 -1.70 2.03	-0.03 -0.03 1.00	0.02 0.02 0.30	-0.00 -0.00 -0.67
10	2.99 17.00 0.00	0.31E+00 07.13	2.00 2.00 0.00	-1.00 -1.00 2.03	-0.02 -0.02 1.00	0.03 0.02 0.73	-0.10 -0.10 -0.61
11	2.99 21.00 0.00	0.31E+00 08.10	2.31 2.10 0.00	-1.70 -1.70 2.03	-0.02 -0.04 1.03	0.04 0.03 0.00	-0.13 -0.12 -0.63

PROPELISIVE MING FORCE DATA

SUMMARY

RUN 267

PT	ALPHA	DELTA	KEY NO	HEIGHT	CL15	CL16	CL17	CL18	CL19	CL20	CL21	CL22	CL23	CL24	CL25	CL26	CL27	CL28	CL29	CL30	CL31	CL32	CL33	CL34	CL35	CL36	CL37	CL38	CL39	CL40	CL41	CL42	CL43	CL44	CL45	CL46	CL47	CL48	CL49	CL50	CL51	CL52	CL53	CL54	CL55	CL56	CL57	CL58	CL59	CL60	CL61	CL62	CL63	CL64	CL65	CL66	CL67	CL68	CL69	CL70	CL71	CL72	CL73	CL74	CL75	CL76	CL77	CL78	CL79	CL80	CL81	CL82	CL83	CL84	CL85	CL86	CL87	CL88	CL89	CL90	CL91	CL92	CL93	CL94	CL95	CL96	CL97	CL98	CL99	CL100	CL101	CL102	CL103	CL104	CL105	CL106	CL107	CL108	CL109	CL110	CL111	CL112	CL113	CL114	CL115	CL116	CL117	CL118	CL119	CL120	CL121	CL122	CL123	CL124	CL125	CL126	CL127	CL128	CL129	CL130	CL131	CL132	CL133	CL134	CL135	CL136	CL137	CL138	CL139	CL140	CL141	CL142	CL143	CL144	CL145	CL146	CL147	CL148	CL149	CL150	CL151	CL152	CL153	CL154	CL155	CL156	CL157	CL158	CL159	CL160	CL161	CL162	CL163	CL164	CL165	CL166	CL167	CL168	CL169	CL170	CL171	CL172	CL173	CL174	CL175	CL176	CL177	CL178	CL179	CL180	CL181	CL182	CL183	CL184	CL185	CL186	CL187	CL188	CL189	CL190	CL191	CL192	CL193	CL194	CL195	CL196	CL197	CL198	CL199	CL200	CL201	CL202	CL203	CL204	CL205	CL206	CL207	CL208	CL209	CL210	CL211	CL212	CL213	CL214	CL215	CL216	CL217	CL218	CL219	CL220	CL221	CL222	CL223	CL224	CL225	CL226	CL227	CL228	CL229	CL230	CL231	CL232	CL233	CL234	CL235	CL236	CL237	CL238	CL239	CL240	CL241	CL242	CL243	CL244	CL245	CL246	CL247	CL248	CL249	CL250	CL251	CL252	CL253	CL254	CL255	CL256	CL257	CL258	CL259	CL260	CL261	CL262	CL263	CL264	CL265	CL266	CL267	CL268	CL269	CL270	CL271	CL272	CL273	CL274	CL275	CL276	CL277	CL278	CL279	CL280	CL281	CL282	CL283	CL284	CL285	CL286	CL287	CL288	CL289	CL290	CL291	CL292	CL293	CL294	CL295	CL296	CL297	CL298	CL299	CL300	CL301	CL302	CL303	CL304	CL305	CL306	CL307	CL308	CL309	CL310	CL311	CL312	CL313	CL314	CL315	CL316	CL317	CL318	CL319	CL320	CL321	CL322	CL323	CL324	CL325	CL326	CL327	CL328	CL329	CL330	CL331	CL332	CL333	CL334	CL335	CL336	CL337	CL338	CL339	CL340	CL341	CL342	CL343	CL344	CL345	CL346	CL347	CL348	CL349	CL350	CL351	CL352	CL353	CL354	CL355	CL356	CL357	CL358	CL359	CL360	CL361	CL362	CL363	CL364	CL365	CL366	CL367	CL368	CL369	CL370	CL371	CL372	CL373	CL374	CL375	CL376	CL377	CL378	CL379	CL380	CL381	CL382	CL383	CL384	CL385	CL386	CL387	CL388	CL389	CL390	CL391	CL392	CL393	CL394	CL395	CL396	CL397	CL398	CL399	CL400	CL401	CL402	CL403	CL404	CL405	CL406	CL407	CL408	CL409	CL410	CL411	CL412	CL413	CL414	CL415	CL416	CL417	CL418	CL419	CL420	CL421	CL422	CL423	CL424	CL425	CL426	CL427	CL428	CL429	CL430	CL431	CL432	CL433	CL434	CL435	CL436	CL437	CL438	CL439	CL440	CL441	CL442	CL443	CL444	CL445	CL446	CL447	CL448	CL449	CL450	CL451	CL452	CL453	CL454	CL455	CL456	CL457	CL458	CL459	CL460	CL461	CL462	CL463	CL464	CL465	CL466	CL467	CL468	CL469	CL470	CL471	CL472	CL473	CL474	CL475	CL476	CL477	CL478	CL479	CL480	CL481	CL482	CL483	CL484	CL485	CL486	CL487	CL488	CL489	CL490	CL491	CL492	CL493	CL494	CL495	CL496	CL497	CL498	CL499	CL500	CL501	CL502	CL503	CL504	CL505	CL506	CL507	CL508	CL509	CL510	CL511	CL512	CL513	CL514	CL515	CL516	CL517	CL518	CL519	CL520	CL521	CL522	CL523	CL524	CL525	CL526	CL527	CL528	CL529	CL530	CL531	CL532	CL533	CL534	CL535	CL536	CL537	CL538	CL539	CL540	CL541	CL542	CL543	CL544	CL545	CL546	CL547	CL548	CL549	CL550	CL551	CL552	CL553	CL554	CL555	CL556	CL557	CL558	CL559	CL560	CL561	CL562	CL563	CL564	CL565	CL566	CL567	CL568	CL569	CL570	CL571	CL572	CL573	CL574	CL575	CL576	CL577	CL578	CL579	CL580	CL581	CL582	CL583	CL584	CL585	CL586	CL587	CL588	CL589	CL590	CL591	CL592	CL593	CL594	CL595	CL596	CL597	CL598	CL599	CL600	CL601	CL602	CL603	CL604	CL605	CL606	CL607	CL608	CL609	CL610	CL611	CL612	CL613	CL614	CL615	CL616	CL617	CL618	CL619	CL620	CL621	CL622	CL623	CL624	CL625	CL626	CL627	CL628	CL629	CL630	CL631	CL632	CL633	CL634	CL635	CL636	CL637	CL638	CL639	CL640	CL641	CL642	CL643	CL644	CL645	CL646	CL647	CL648	CL649	CL650	CL651	CL652	CL653	CL654	CL655	CL656	CL657	CL658	CL659	CL660	CL661	CL662	CL663	CL664	CL665	CL666	CL667	CL668	CL669	CL670	CL671	CL672	CL673	CL674	CL675	CL676	CL677	CL678	CL679	CL680	CL681	CL682	CL683	CL684	CL685	CL686	CL687	CL688	CL689	CL690	CL691	CL692	CL693	CL694	CL695	CL696	CL697	CL698	CL699	CL700	CL701	CL702	CL703	CL704	CL705	CL706	CL707	CL708	CL709	CL710	CL711	CL712	CL713	CL714	CL715	CL716	CL717	CL718	CL719	CL720	CL721	CL722	CL723	CL724	CL725	CL726	CL727	CL728	CL729	CL730	CL731	CL732	CL733	CL734	CL735	CL736	CL737	CL738	CL739	CL740	CL741	CL742	CL743	CL744	CL745	CL746	CL747	CL748	CL749	CL750	CL751	CL752	CL753	CL754	CL755	CL756	CL757	CL758	CL759	CL760	CL761	CL762	CL763	CL764	CL765	CL766	CL767	CL768	CL769	CL770	CL771	CL772	CL773	CL774	CL775	CL776	CL777	CL778	CL779	CL780	CL781	CL782	CL783	CL784	CL785	CL786	CL787	CL788	CL789	CL790	CL791	CL792	CL793	CL794	CL795	CL796	CL797	CL798	CL799	CL800	CL801	CL802	CL803	CL804	CL805	CL806	CL807	CL808	CL809	CL810	CL811	CL812	CL813	CL814	CL815	CL816	CL817	CL818	CL819	CL820	CL821	CL822	CL823	CL824	CL825	CL826	CL827	CL828	CL829	CL830	CL831	CL832	CL833	CL834	CL835	CL836	CL837	CL838	CL839	CL840	CL841	CL842	CL843	CL844	CL845	CL846	CL847	CL848	CL849	CL850	CL851	CL852	CL853	CL854	CL855	CL856	CL857	CL858	CL859	CL860	CL861	CL862	CL863	CL864	CL865	CL866	CL867	CL868	CL869	CL870	CL871	CL872	CL873	CL874	CL875	CL876	CL877	CL878	CL879	CL880	CL881	CL882	CL883	CL884	CL885	CL886	CL887	CL888	CL889	CL890	CL891	CL892	CL893	CL894	CL895	CL896	CL897	CL898	CL899	CL900	CL901	CL902	CL903	CL904	CL905	CL906	CL907	CL908	CL909	CL910	CL911	CL912	CL913	CL914	CL915	CL916	CL917	CL918	CL919	CL920	CL921	CL922	CL923	CL924	CL925	CL926	CL927	CL928	CL929	CL930	CL931	CL932	CL933	CL934	CL935	CL936	CL937	CL938	CL939	CL940	CL941	CL942	CL943	CL944	CL945	CL946	CL947	CL948	CL949	CL950	CL951	CL952	CL953	CL954	CL955	CL956	CL957	CL958	CL959	CL960	CL961	CL962	CL963	CL964	CL965	CL966	CL967	CL968	CL969	CL970	CL971	CL972	CL973	CL974	CL975	CL976	CL977	CL978	CL979	CL980	CL981	CL982	CL983	CL984	CL985	CL986	CL987	CL988	CL989	CL990	CL991	CL992	CL993	CL994	CL995	CL996	CL997	CL998	CL999	CL1000	CL1001	CL1002	CL1003	CL1004	CL1005	CL1006	CL1007	CL1008	CL1009	CL1010	CL1011	CL1012	CL1013	CL1014	CL1015	CL1016	CL1017	CL1018	CL1019	CL1020	CL1021	CL1022	CL1023	CL1024	CL1025	CL1026	CL1027	CL1028	CL1029	CL1030	CL1031	CL1032	CL1033	CL1034	CL1035	CL1036	CL1037	CL1038	CL1039	CL1040	CL1041	CL1042	CL1043	CL1044	CL1045	CL1046	CL1047	CL1048	CL1049	CL1050	CL1051	CL1052	CL1053	CL1054	CL1055	CL1056	CL1057	CL1058	CL1059	CL1060	CL1061	CL1062	CL1063	CL1064	CL1065	CL1066	CL1067	CL1068	CL1069	CL1070	CL1071	CL1072	CL1073	CL1074	CL1075	CL1076	CL1077	CL1078	CL1079	CL1080	CL1081	CL1082	CL1083	CL1084	CL1085	CL1086	CL1087	CL1088	CL1089	CL1090	CL1091	CL1092	CL1093	CL1094	CL1095	CL1096	CL1097	CL1098	CL1099	CL1100	CL1101	CL1102	CL1103	CL1104	CL1105	CL1106	CL1107	CL1108	CL1109	CL1110	CL1111	CL1112	CL1113	CL1114	CL1115	CL1116	CL1117	CL1118	CL1119	CL1120	CL1121	CL1122	CL1123	CL1124	CL1125	CL1126	CL1127	CL1128	CL1129	CL1130	CL1131	CL1132	CL1133	CL1134	CL1135	CL1136	CL1137	CL1138	CL1139	CL1140	CL1141	CL1142	CL1143	CL1144	CL1145	CL1146	CL1147	CL1148	CL1149	CL1150	CL1151	CL1152	CL1153	CL1154	CL1155	CL1156	CL1157	CL1158	CL1159	CL1160	CL1161	CL1162	CL1163	CL1164	CL1165	CL1166	CL1167	CL1168	CL1169	CL1170	CL1171	CL1172	CL1173	CL1174	CL1175	CL1176	CL1177	CL1178	CL1179	CL1180	CL1181	CL1182	CL1183	CL1184	CL1185	CL1186	CL1187	CL1188	CL1189	CL1190	CL1191	CL1192	CL1193	CL1194	CL1195	CL1196	CL1197	CL1198	CL1199	CL1200	CL1201	CL1202	CL1203	CL1204	CL1205	CL1206	CL1207	CL1208	CL1209	CL1210	CL1211	CL1212	CL1213	CL1214	CL1215	CL1216	CL1217	CL1218	CL1219	CL1220	CL1221	CL1222	CL1223	CL1224	CL1225	CL1226	CL1227	CL1228	CL1229	CL1230	CL1231	CL1232	CL1233	CL1234	CL1235	CL1236	CL1237	CL1238	CL1239	CL1240	CL1241	CL1242	CL1243	CL1244	CL1245	CL1246	CL1247	CL1248	CL1249	CL1250	CL1251	CL1252	CL1253	CL1254	CL1255	CL1256	CL1257	CL1258	CL1259	CL1260	CL1261	CL1262	CL1263	CL1264	CL1265	CL1266	CL1267	CL1268	CL1269	CL1270	CL1271	CL1272	CL1273	CL1274	CL1275	CL1276	CL1277	CL1278	CL1279	CL1280	CL1281	CL1282	CL1283	CL1284	CL1285	CL1286	CL1287	CL1288	CL1289	CL1290	CL1291	CL1292	CL1293	CL1294	CL1295	CL1296	CL1297	CL1298	CL1299	CL1300	CL1301	CL1302	CL1303	CL1304	CL1305	CL1306	CL1307	CL1308	CL1309	CL1310	CL1311	CL1312	CL1313	CL1314	CL1315	CL1316	CL1317	CL1318	CL1319	CL1320	CL1321	CL1322	CL1323	CL1324	CL1325	CL1326	CL1327	CL1328	CL1329	CL1330	CL1331	CL1332	CL1333	CL1334	CL1335	CL1336	CL1337	CL1338
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PROGRESSIVE MINO 10000 DATA

JUN 21 1964

PT	ALPHA META	BEY MD WEIGHT	CL 15 CSP 15 CNC	CP15 CAP 15 CNC	CP15 CSP 15 CNC	CM15 CSP 15 CNC	CM15 CSP 15 CNC	CM15 CSP 15 CNC	CM15 CSP 15 CNC	CM15 CSP 15 CNC	CM15 CSP 15 CNC	CM15 CSP 15 CNC
1	12.07	0.01E+00	1.29	0.01	-0.08	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	-1.00	0.01E+00	1.29	0.01	-0.08	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.01E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	12.07	0.02E+00	1.29	0.01	-0.08	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.02E+00	1.29	0.01	-0.08	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.02E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	12.07	0.03E+00	1.40	0.01	-0.09	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	2.07	0.03E+00	1.40	0.01	-0.09	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.03E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12.07	0.04E+00	1.46	0.13	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	3.06	0.04E+00	1.46	0.13	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.04E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	12.07	0.05E+00	1.57	0.19	-0.04	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	0.02	0.05E+00	1.50	0.02	-0.04	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.05E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	12.07	0.06E+00	1.71	0.29	-0.06	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.06E+00	1.73	0.01	-0.06	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.06E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	11.04	0.07E+00	2.08	0.44	-1.10	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	12.00	0.07E+00	2.11	0.01	-1.10	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.07E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11.04	0.08E+00	1.00	0.33	-0.37	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
	10.02	0.08E+00	2.02	-0.03	-0.37	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.08E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	11.04	0.09E+00	2.01	0.53	-0.37	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
	10.00	0.09E+00	2.11	-0.02	-0.37	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	0.09E+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	11.04	0.10E+00	2.10	0.60	-1.02	-0.03	0.00	0.00	0.00	0.00	0.00	0.00

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SUMMARY.

[illegible]

PROPULSIVE MING FORCE DATA

SUMMARY, RUN 305

PT	Q	ALPHA	BETA	REY NO	CLIS	CAFIB	CHUM	CPMIS	CPMIB	CPMIB	CLTR	CYRIS	CYRIB	CSFIS
				HEIGHT	CHUC			CMUT				CDIR		CDIR
1	2.88	-2.01	0.31E+06	82.50	2.43	-0.82	-0.53	-1.80	-0.03	-0.04	-0.04	-0.04	-0.04	-0.04
		0.00			0.00	0.00	2.02	2.02	1.14	0.37	-0.73	-0.73	-0.73	-0.73
2	3.10	-0.01	0.31E+06	83.31	2.38	-0.32	-0.32	-1.74	-0.04	-0.05	-0.05	-0.05	-0.05	-0.05
		0.00			0.00	1.95	1.95	1.95	1.10	0.38	-0.71	-0.71	-0.71	-0.71
3	3.10	2.08	0.31E+06	85.83	2.48	-0.45	-0.54	-1.75	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		0.00			0.00	1.95	1.95	1.95	1.15	0.40	-0.72	-0.72	-0.72	-0.72
4	2.88	4.84	0.31E+06	87.50	2.61	-0.38	-0.58	-1.83	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		0.00			0.00	2.03	2.03	2.03	1.22	0.48	-0.78	-0.78	-0.78	-0.78
5	3.10	8.05	0.31E+06	88.51	2.87	-0.38	-0.54	-1.78	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		0.00			0.00	1.95	1.95	1.95	1.30	0.51	-0.78	-0.78	-0.78	-0.78
6	2.88	8.00	0.31E+06	88.33	2.80	-0.30	-0.58	-1.88	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
		0.00			0.00	2.03	2.03	2.03	1.35	0.55	-0.81	-0.81	-0.81	-0.81
7	2.88	11.85	0.31E+06	87.78	2.88	-0.02	-0.61	-1.84	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
		0.00			0.00	2.02	2.02	2.02	1.38	0.63	-0.77	-0.77	-0.77	-0.77
8	2.87	18.00	0.30E+06	88.34	3.17	0.25	-0.64	-1.85	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
		0.00			0.00	2.11	2.11	2.11	1.57	0.80	-0.73	-0.73	-0.73	-0.73
9	2.87	18.02	0.30E+06	87.31	3.03	0.32	-0.63	-1.77	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07
		0.00			0.00	2.11	2.11	2.11	1.41	0.82	-0.85	-0.85	-0.85	-0.85
10	2.88	22.04	0.31E+06	89.28	3.14	0.54	-0.58	-1.71	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
		0.00			0.00	2.03	2.03	2.03	1.55	1.01	-0.83	-0.83	-0.83	-0.83

PROPULSIVE MING FORCE DATA

SUMMARY, RUN 306

PT	Q	ALPHA	BETA	REY NO	CLIS	CAFIB	CHUM	CPMIS	CPMIB	CPMIB	CLTR	CYRIS	CYRIB	CSFIS
				HEIGHT	CHUC			CMUT				CDIR		CDIR
1	2.88	-2.01	0.44E+06	87.85	1.82	-0.18	-0.18	-1.18	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
		0.00			0.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
2	5.88	0.00	0.43E+06	88.55	1.84	-0.14	-0.14	-1.18	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		0.00			0.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98
3	5.88	2.02	0.43E+06	88.25	1.77	-0.08	-0.16	-1.21	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		0.00			0.00	1.02	1.02	1.02	1.08	1.08	1.08	1.08	1.08	1.08
4	3.88	4.00	0.43E+06	87.82	1.81	-0.03	-0.18	-1.23	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		0.00			0.00	1.00	1.00	1.00	1.13	1.13	1.13	1.13	1.13	1.13
5	5.88	8.02	0.43E+06	88.41	2.01	0.04	-0.17	-1.28	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		0.00			0.00	0.99	0.99	0.99	1.28	1.28	1.28	1.28	1.28	1.28
6	5.88	8.07	0.43E+06	88.30	2.13	0.13	-0.17	-1.29	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
		0.00			0.00	1.02	1.02	1.02	1.41	1.41	1.41	1.41	1.41	1.41
7	5.88	11.88	0.43E+06	87.16	2.22	0.28	-0.21	-1.29	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
		0.00			0.00	1.02	1.02	1.02	1.48	1.48	1.48	1.48	1.48	1.48
8	5.88	18.05	0.43E+06	88.91	2.37	0.47	-0.21	-1.27	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		0.00			0.00	1.02	1.02	1.02	1.60	1.60	1.60	1.60	1.60	1.60
9	5.88	18.07	0.43E+06	87.34	2.41	0.57	-0.20	-1.27	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		0.00			0.00	1.02	1.02	1.02	1.63	1.63	1.63	1.63	1.63	1.63
10	5.88	22.01	0.43E+06	88.15	2.51	0.82	-0.18	-1.27	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
		0.00			0.00	1.00	1.00	1.00	1.73	1.73	1.73	1.73	1.73	1.73

PROPELLSIVE MING FORCE DATA

SUMMARY. RUN 300													
PT	Q	ALPHA	BETA	REV NO	CLIS	CLFIB	CMIS	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB
				HEIGHT	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB
29	0.00	0.00	0.00	0.30E+00	12.28	12.28	12.28	12.28	12.28	12.28	12.28	12.28	12.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.30E+00	31.77	31.77	31.77	31.77	31.77	31.77	31.77	31.77	31.77
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.30E+00	58.38	58.38	58.38	58.38	58.38	58.38	58.38	58.38	58.38
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.30E+00	83.99	83.99	83.99	83.99	83.99	83.99	83.99	83.99	83.99
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.30E+00	107.50	107.50	107.50	107.50	107.50	107.50	107.50	107.50	107.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY. RUN 307													
PT	Q	ALPHA	BETA	REV NO	CLIS	CLFIB	CMIS	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB
				HEIGHT	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB	CMFIB
1	11.84	-2.01	0.00	0.81E+00	1.18	0.01	-0.85	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	12.07	0.02	0.00	0.82E+00	1.28	0.05	-0.85	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	12.07	0.02	0.00	0.82E+00	1.38	0.09	-0.88	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	11.96	3.90	0.00	0.81E+00	1.48	0.03	-0.91	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	12.07	0.02	0.00	0.82E+00	1.58	0.10	-0.93	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	12.07	0.02	0.00	0.82E+00	1.70	0.26	-0.98	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12.07	0.02	0.00	0.82E+00	1.85	0.42	-1.04	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11.84	16.05	0.00	0.81E+00	2.02	0.54	-0.98	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	12.07	0.02	0.00	0.82E+00	2.12	0.85	-0.98	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	11.88	22.00	0.00	0.81E+00	2.18	0.87	-1.02	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 300

PT	ALPHA BETA	REV NO HEIGHT	CLIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC
2	0.00	0.30E+00	52.24	-27.53	-282.80	-17.00	52.52	-1.83
	0.00	47.38	52.18	-37.81	-282.80	-18.07	52.50	-1.83
	0.00		38.51	44.84	81.18	24.56	-17.33	-280.00
3	0.00	0.30E+00	76.84	-50.23	-346.30	-18.00	52.84	-0.48
	0.00	47.38	76.85	-50.37	-346.30	-18.18	52.81	-0.48
	0.00		54.82	60.18	111.10	32.49	-22.85	-335.20
4	0.00	0.30E+00	80.84	-63.48	-487.80	-17.22	57.78	-1.45
	0.14	47.38	80.78	-63.87	-487.80	-17.38	57.87	-1.45
	0.00		85.05	75.87	141.00	41.82	-28.56	-448.10
5	0.00	0.30E+00	102.00	-73.24	-802.10	-43.81	59.81	-0.84
	0.14	47.38	101.80	-73.48	-802.10	-43.88	59.80	-0.84
	0.00		78.41	91.02	168.40	42.73	-31.70	-554.20

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 310

PT	ALPHA BETA	REV NO HEIGHT	CLIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC	CHYIS CST 18 CHNC
2	0.00	0.30E+00	52.24	-27.53	-282.80	-17.00	52.52	-1.83
	0.00	47.38	52.18	-37.81	-282.80	-18.07	52.50	-1.83
	0.00		38.51	44.84	81.18	24.56	-17.33	-280.00
3	0.00	0.30E+00	76.84	-50.23	-346.30	-18.00	52.84	-0.48
	0.00	47.38	76.85	-50.37	-346.30	-18.18	52.81	-0.48
	0.00		54.82	60.18	111.10	32.49	-22.85	-335.20
4	0.00	0.30E+00	80.84	-63.48	-487.80	-17.22	57.78	-1.45
	0.14	47.38	80.78	-63.87	-487.80	-17.38	57.87	-1.45
	0.00		85.05	75.87	141.00	41.82	-28.56	-448.10
5	0.00	0.30E+00	102.00	-73.24	-802.10	-43.81	59.81	-0.84
	0.14	47.38	101.80	-73.48	-802.10	-43.88	59.80	-0.84
	0.00		78.41	91.02	168.40	42.73	-31.70	-554.20

PROPELLSIVE MINE FORCE DATA

PT	Q ALPHA BETA	KEY ING MILIT	SUMMARY				SUMMARY				SUMMARY				SUMMARY			
			CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16	CLIS CST 16 CST 16 CST 16
1	3.22	0.31E+00	2.78	1.24	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26
2	3.10	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
3	2.10	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
4	2.02	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
5	2.09	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
6	2.10	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
7	2.10	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
8	2.09	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
9	2.09	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
10	2.09	0.31E+00	2.83	1.10	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21

PROPELLSIVE MING FORCE DATA

PT	SUMMARY										RUN 315			
	ALPHA DETA	NET WGT WEIGHT	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC
1	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
2	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
3	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
4	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
5	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
6	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
7	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
8	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
9	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
10	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40

PROPELLSIVE MING FORCE DATA

PT	SUMMARY										RUN 316			
	ALPHA DETA	NET WGT WEIGHT	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC	CLIS CHC
1	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
2	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
3	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
4	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
5	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
6	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
7	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
8	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
9	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
10	-0.01	0.21E+00	4.00	-2.53	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40

PROPELLSIVE MING FORCE DATA

SUMMARY.													
RUM 320													
PI	ALPHA	DELTA	KEY NO	RETURN	CLIS	CLIF	CLIC	CHIS	CHIF	CHIC	CHIS	CHIF	CHIC
2	12.26	-0.01	0.02E+00	18.92	0.32	0.32	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.32	0.32	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	12.00	-0.01	0.02E+00	18.92	0.32	0.32	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.32	0.32	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12.17	-0.01	0.02E+00	18.92	0.48	0.48	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.48	0.48	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	11.94	-0.01	0.02E+00	18.92	0.48	0.48	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.48	0.48	0.11	-0.20	0.00	0.00	0.00	0.00	0.00
		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	12.05	-0.01	0.02E+00	18.92	0.44	0.44	0.12	-0.27	0.00	0.00	0.00	0.00	0.00
		0.00			0.44	0.44	0.12	-0.27	0.00	0.00	0.00	0.00	0.00
		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY.													
RUM 310													
PI	ALPHA	DELTA	KEY NO	RETURN	CLIS	CLIF	CLIC	CHIS	CHIF	CHIC	CHIS	CHIF	CHIC
4	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63
5	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63
6	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63
7	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63
8	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63
9	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63
10	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63
11	0.00	-0.01	0.00E+00	51.64	-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			-0.11	-0.11	0.00	0.20	0.30	0.30	-0.44	-0.44	-0.44
		0.00			0.00	0.00	0.00	0.57	5.77	5.77	20.63	20.63	20.63

PROPELISIVE MING FORCE DATA

PT	Q	ALPHA	DELTA	KEY NO	HEIGHT	SUMMARY				SUMMARY				SUMMARY			
						CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18
2	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELISIVE MING FORCE DATA

PT	Q	ALPHA	DELTA	KEY NO	HEIGHT	SUMMARY				SUMMARY				SUMMARY			
						CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18
1	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 323													
PT	Q	ALPHA	NET WGT	CL 15	CL 16	CL 17	CL 18	CL 19	CL 20	CL 21	CL 22	CL 23	CL 24
	BETA		HEIGHT	CM 15	CM 16	CM 17	CM 18	CM 19	CM 20	CM 21	CM 22	CM 23	CM 24
1	12.17	0.04	0.025-00	1.00	0.22	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.01	47.00	1.00	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
2	12.17	0.04	0.025-00	1.07	0.22	-0.03	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.01	47.00	1.00	-0.01	-0.03	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
3	12.09	0.04	0.025-00	1.07	0.22	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.01	47.00	1.00	-0.01	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

SUMMARY, RUN 324

PT	Q	ALPHA	NET WGT	CL 15	CL 16	CL 17	CL 18	CL 19	CL 20	CL 21	CL 22	CL 23	CL 24
	BETA		HEIGHT	CM 15	CM 16	CM 17	CM 18	CM 19	CM 20	CM 21	CM 22	CM 23	CM 24
2	0.04	0.01	0.025-00	1.00	0.22	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.01	47.00	1.00	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
3	0.04	0.01	0.025-00	1.07	0.22	-0.03	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.01	47.00	1.00	-0.01	-0.03	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
4	0.04	0.01	0.025-00	1.07	0.22	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.01	47.00	1.00	-0.01	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	Q ALPHA DATA	KEY IN DEFLECT	SUMMARY				SUM 327				CSF 15			
			CL 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT
2	2.32	0.31E+00	2.50	-0.75	-1.75	-0.02	0.01	-0.05	0.01	-0.05	0.01	-0.05	0.01	-0.05
3	2.04	0.31E+00	2.50	-0.75	-1.75	-0.02	0.01	-0.05	0.01	-0.05	0.01	-0.05	0.01	-0.05
4	2.04	0.31E+00	2.50	-0.75	-1.75	-0.02	0.01	-0.05	0.01	-0.05	0.01	-0.05	0.01	-0.05
5	2.04	0.31E+00	2.50	-0.75	-1.75	-0.02	0.01	-0.05	0.01	-0.05	0.01	-0.05	0.01	-0.05

PROPELLSIVE MING FORCE DATA

PT	Q ALPHA DATA	KEY IN DEFLECT	SUMMARY				SUM 328				CSF 15			
			CL 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT	CS 15 CMT 15 CMT
1	2.04	0.31E+00	2.50	-0.75	-1.75	-0.02	0.01	-0.05	0.01	-0.05	0.01	-0.05	0.01	-0.05
2	2.04	0.31E+00	2.50	-0.75	-1.75	-0.02	0.01	-0.05	0.01	-0.05	0.01	-0.05	0.01	-0.05
3	2.04	0.31E+00	2.50	-0.75	-1.75	-0.02	0.01	-0.05	0.01	-0.05	0.01	-0.05	0.01	-0.05

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 320

PT	Q	ALPHA	DEY NO	CLIS	CSFIS	CYRIS	CSFIS	CSFIS	CSFIS
		BETA	HEIGHT	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS
1	0.00	0.00	0.00	0.00	-1.37	0.00	0.01	-0.11	-0.11
	0.07	0.44E-08	2.14	-0.24	-1.37	0.00	0.01	-0.11	-0.11
	0.01	48.00	0.00	1.02	1.02	1.41	0.46	-0.71	-0.71
2	3.37	0.44E-08	2.10	0.07	-1.20	0.00	0.01	-0.11	-0.11
	0.01	66.33	0.00	-0.24	-1.20	0.00	0.01	-0.11	-0.11
	0.01		1.00	1.00	1.42	0.46	0.46	-0.72	-0.72
3	0.00	0.00	0.00	-1.25	0.00	0.00	0.01	-0.12	-0.12
	0.05	0.44E-08	2.13	-0.24	-1.25	0.00	0.01	-0.12	-0.12
	0.01	87.00	0.00	1.03	1.03	1.39	0.45	-0.70	-0.70

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 330

PT	Q	ALPHA	DEY NO	CLIS	CSFIS	CYRIS	CSFIS	CYRIS	CSFIS	CYRIS	CSFIS
		BETA	HEIGHT	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS
				CSFIS	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS	CSFIS
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	Q	SUMMARY, RUN 331										DATA			
		ALPHA	MEY MO	CL 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15
		BETA	MEI MO	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15	CM 15
1	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	12.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	11.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	Q	SUMMARY, RUN 332										DATA			
		ALPHA BETA	REV MO ACQUITY	CL 15 COT 15 CINC	CM 15 CAF 15 CMC	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15	CM 15 CM 15 CM 15
1	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	12.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 333

PT	Q	ALPHA	BETA	REY NO	HEIGHT	CLIS	CSFIB	CNUC	CPMIS	CPMIB	CMUT	CMNIS	CMNIB	CLTR	CYNIS	CYNIB	CDTR	CSFIS
1	12.17	8.02	5.01	0.63E+04	47.51	0.82	0.84	0.00	-0.34	-0.34	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.24	-0.04
2	12.05	8.01	5.01	0.63E+04	65.63	0.81	0.83	0.00	-0.34	-0.34	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.24	-0.05
3	12.17	8.01	5.01	0.63E+04	87.08	0.80	0.82	0.00	-0.34	-0.34	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.24	-0.05

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 334

PT	Q	ALPHA	BETA	REY NO	HEIGHT	CLIS	CSFIB	CNUC	CPMIS	CPMIB	CMUT	CMNIS	CMNIB	CLTR	CYNIS	CYNIB	CDTR	CSFIS
2	3.15	-0.08	0.00	0.32E+04	18.22	2.34	2.35	0.00	-0.84	-0.84	-1.68	-1.68	-0.01	-0.01	0.01	0.01	0.24	-0.06
3	2.83	-0.08	0.00	0.31E+04	32.75	2.43	2.43	0.00	-0.87	-0.88	-1.75	-1.75	-0.02	-0.02	0.00	0.00	0.29	-0.05
4	3.04	-0.10	0.00	0.31E+04	65.64	2.34	2.34	0.00	-0.81	-0.80	-1.70	-1.70	-0.02	-0.02	0.00	0.00	0.31	-0.07

PROPLISIVE MINING FORCE DATA

SUMMARY. 2000 335

PT	ALPHA BETA	REV NO	REV HENT	CLIS CHT16 CMC	CRIS CAP16 CMH	CMIS CMH16 CMH1	CMIS CMH16 CLH1	CMIS CMH16 CMH1	CMIS CMH16 CMH1	CMIS CMH16 CMH1	CMIS CMH16 CMH1	CMIS CMH16 CMH1
2	0.00 -0.34	0.306+0 73.06	73.22 73.22	10.00 10.00	838.10 838.10	-16.17 -16.17	-4.72 -4.72	-1.71 -1.71	-0.70 -0.70	-1.71 -1.71	-1.71 -1.71	-1.71 -1.71
3	0.00 -0.34	0.306+0 73.06	39.80 39.81	27.04 27.04	1082.00 1082.00	-20.22 -20.22	-11.66 -11.66	-1.21 -1.21	-1.21 -1.21	-1.21 -1.21	-1.21 -1.21	-1.21 -1.21
4	0.00 -0.34	0.306+0 73.06	98.61 98.64	42.04 42.04	1607.00 1607.00	-31.12 -31.12	-8.64 -8.64	-2.72 -2.72	-2.72 -2.72	-2.72 -2.72	-2.72 -2.72	-2.72 -2.72
5	0.00 -0.34	0.306+0 73.06	182.56 182.57	57.06 57.06	2180.00 2180.00	-43.30 -43.30	-28.95 -28.95	-2.34 -2.34	-2.34 -2.34	-2.34 -2.34	-2.34 -2.34	-2.34 -2.34
6	0.00 -0.34	0.306+0 73.06	102.10 102.20	75.75 75.75	2810.00 2810.00	-61.48 -61.48	-33.36 -33.36	-1.56 -1.56	-1.56 -1.56	-1.56 -1.56	-1.56 -1.56	-1.56 -1.56

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 338

PT	ALPHA DETA	REF NO	CLIS CHIF CMC	CHIS CAP CHN	CMIS CMIB CMT	CMIS CLIB CLT	CHIS CHIB CHT	CHIS CHIB CHT	CHIS CHIB CHT
28	0.00		88.78	-42.07	-150.00	-18.05	5.03	-0.01	
	-0.08	0.305-08	89.54	-41.95	-150.00	-18.94	5.06	-0.01	
	0.00	0.05, 71	5.00	87.22	151.32	32.44	-21.31	-153.88	
30	0.00		88.55	-55.07	-2123.00	-26.73	-1.81	-0.18	
	-0.10	0.305-08	89.85	-55.32	-2123.00	-26.73	-1.86	-0.18	
	0.00	0.05, 71	0.60	117.40	117.40	41.84	-38.00	-200.00	
31	0.00		101.70	-71.50	-2684.00	-37.88	-21.81	-0.00	
	-0.13	0.305-08	101.80	-71.25	-2684.00	-37.91	-21.52	-0.00	
	0.00	0.05, 71	0.60	150.50	150.50	52.16	-38.39	-284.00	
32	0.00		103.80	-78.82	-2883.00	-50.00	18.23	-0.28	
	-0.17	0.305-08	103.80	-78.82	-2883.00	-50.75	18.38	-0.28	
	0.00	0.05, 71	0.60	180.00	180.00	56.77	-38.45	-285.00	

PROPELISIVE WIND FORCE DATA

SUMMARY. RUN 337

PT	ALPHA BETA	KEY ING RETURN	CLIS EXP 10 CANC	CRIS CAP 10 CANC	CRIS CAP 10 CANC	CRIS CAP 10 CANC	CRIS CAP 10 CANC	CRIS CAP 10 CANC	CRIS CAP 10 CANC
2	30.12 -0.04	0.045-00 10.10	0.51 0.51	0.11 0.11	-0.28 -0.28	0.00 0.00	0.00 0.00	0.00 0.00	0.01 -0.27
3	28.77 -0.04	0.045-00 32.05	0.50 0.40	0.12 0.12	-0.28 -0.28	0.00 0.00	0.00 0.00	0.00 0.00	0.01 -0.27
4	28.77 0.01	0.045-00 05.00	0.40 0.40	0.12 0.12	-0.28 -0.28	0.00 0.00	0.00 0.00	0.00 0.00	0.01 -0.27
5	30.26 -0.02	0.045-00 07.00	0.40 0.40	0.12 0.12	-0.28 -0.28	0.00 0.00	0.00 0.00	0.00 0.00	0.01 -0.20

PROPULSIVE MINE FORCE DATA

8000 A.W. 800 8 320

PI	Q ALPHA BETA	KEY NO HEIGHT	CL15 CH16 CH17	CB15 CA16 CB17	CP15 CP16 CP17	CM15 CM16 CM17	CN15 CN16 CN17	CP15 CH16 CH17
1	21.15 -0.23	0.79E+00 15.79	1.78 1.76	0.83 0.84	-1.12 -1.12	0.00 -1.41	-0.01 0.27	0.02 -0.13
2	21.04 -0.06 0.00	0.79E+00 37.83	1.81 1.81	0.10 0.10	-1.18 -1.18	0.00 1.45	0.00 0.34	0.07 -0.84
3	20.81 0.00 0.00	0.79E+00 65.66	1.80 1.80	0.12 0.12	-1.18 -1.18	0.00 1.43	-0.01 0.37	0.02 -0.88
4	21.04 -0.02 0.00	0.79E+00 87.06	1.76 1.76	0.12 0.12	-1.18 -1.18	0.00 1.41	-0.01 0.37	0.02 -0.87

COMPULSIVE NUDITY FORCE DATA

SUBMARY. NOV 20

[illegible]

0000103123 WINNING FORCE DATA

30070407. 100 340

PI	ALPHA	DELTA	DELTA ACTIVITY	CL 15 DELTA CATECH	CPH 15 CPH 15 CATECH	CPH 15 CPH 15 CATECH	CPH 15 CPH 15 CATECH	CPH 15 CPH 15 CATECH	CPH 15 CPH 15 CATECH
1	1.40	0.04	0.04	2.00	-0.00	-1.75	0.00	0.00	0.00
	0.04	0.04	0.04	2.00	-0.00	-1.75	0.00	0.00	0.00
	0.00	0.00	0.00	2.00	-0.00	-1.75	0.00	0.00	0.00
2	3.20	0.04	0.04	2.25	-0.00	-2.25	0.00	0.00	0.00
	-0.04	0.04	0.04	2.25	-0.00	-2.25	0.00	0.00	0.00
	0.00	0.00	0.00	2.25	-0.00	-2.25	0.00	0.00	0.00
3	3.32	0.04	0.04	3.13	-0.00	-3.13	0.00	0.00	0.00
	0.00	0.00	0.00	3.13	-0.00	-3.13	0.00	0.00	0.00
	0.00	0.00	0.00	3.13	-0.00	-3.13	0.00	0.00	0.00
4	3.20	0.04	0.04	2.25	-0.00	-2.25	0.00	0.00	0.00
	-0.04	0.04	0.04	2.25	-0.00	-2.25	0.00	0.00	0.00
	0.00	0.00	0.00	2.25	-0.00	-2.25	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	SUMMARY										ROR 341				DATA			
	ALPHA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
1	2.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	SUMMARY										ROR 342				DATA			
	ALPHA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
1	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	SUMMARY, RUN 343									
	ALPHA DETA	NET WGT NET WGT	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15
1	1.13 0.00	0.100-00 57.54	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
2	1.20 0.00	0.100-00 58.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
3	1.47 0.00	0.100-00 57.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00

PROPELLSIVE MING FORCE DATA

PT	SUMMARY, RUN 344									
	ALPHA DETA	NET WGT NET WGT	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15	CL 15 CL 15
1	2.50 0.00	0.100-00 48.20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
2	2.50 0.00	0.100-00 48.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
3	2.70 0.00	0.100-00 47.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00

PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	BETA	SUMMARY			RUN 346			SUMMARY			RUN 346			SUMMARY		
				CL 15	CL 16	CL 17	CL 15	CL 16	CL 17	CL 15	CL 16	CL 17	CL 15	CL 16	CL 17	CL 15	CL 16	CL 17
1	3.41	0.405-00	19.53	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
2	3.52	0.410-00	22.05	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
3	3.41	0.405-00	19.53	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
4	3.20	0.405-00	17.00	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70

PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	BETA	SUMMARY			RUN 346			SUMMARY			RUN 346			SUMMARY		
				CL 15	CL 16	CL 17	CL 15	CL 16	CL 17	CL 15	CL 16	CL 17	CL 15	CL 16	CL 17	CL 15	CL 16	CL 17
1	3.70	0.405-00	19.53	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
2	3.52	0.410-00	22.05	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
3	3.41	0.405-00	19.53	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
4	3.20	0.405-00	17.00	2.00	2.00	2.00	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70

PROGRESSIVE MINING FORCE DATA

TENNANT & COY. **NEW YORK**

[illegible]

PROFESSIVE WIND FORCE DATA

COMMANY,

[illegible]

PROPELLSIVE MING FORCE DATA

PT	ALPHA BETA	KEY NO HEIGHT	CL 15 CH 15 CH 15 CH 15	SUMMARY	JUN 202	SUMMARY	JUN 202
1	10.50	0.57E-06	2.83	0.20	-1.70	0.00	0.00
	0.04	48.35	2.84	-0.12	-1.70	0.00	0.00
	0.09		0.00	1.00	1.00	2.00	0.00
2	10.50	0.57E-06	2.80	0.27	-1.00	-0.01	0.00
	0.02	48.35	2.81	-0.12	-1.00	0.00	0.00
	0.00		0.00	1.00	1.00	2.01	0.00
3	10.48	0.54E-06	2.81	0.20	-1.71	0.00	0.00
	0.01	48.73	2.82	-0.12	-1.71	0.00	0.00
	0.00		0.00	1.07	1.07	2.01	0.07
							-1.11

PROPELLSIVE MING FORCE DATA

PT	ALPHA BETA	KEY NO HEIGHT	CL 15 CH 15 CH 15 CH 15	SUMMARY	JUN 201	SUMMARY	JUN 201
1	10.40	0.54E-06	2.81	0.20	-1.00	0.00	0.00
	0.02	48.34	2.82	-0.10	-1.00	0.00	0.00
	0.01		0.00	1.07	1.07	2.01	0.00
2	10.50	0.54E-06	2.79	0.27	-1.00	0.00	0.00
	0.01	48.37	2.79	-0.12	-1.00	0.00	0.00
	0.01		0.00	1.00	1.00	1.00	0.00
3	10.50	0.54E-06	2.70	0.27	-1.00	0.00	0.00
	0.01	48.33	2.70	-0.12	-1.00	0.00	0.00
	0.01		0.00	1.00	1.00	1.00	0.00
							-1.00

PROPELLSIVE WING FORCE DATA

PT	Q	ALPHA	DEY NO	DEY HEIGHT	SUMMARY, RUN 304				SUMMARY, RUN 305				SUMMARY, RUN 306			
					CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18
1	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE WING FORCE DATA

PT	Q	ALPHA	DEY NO	DEY HEIGHT	SUMMARY, RUN 304				SUMMARY, RUN 305				SUMMARY, RUN 306			
					CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18	CL 15	CL 16	CL 17	CL 18
1	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE WING FORCE DATA

SUMMARY, RUN 263

PT	Q	ALPHA	BETA	DELTA	CL15	CL16	CL17	CL18	CL19	CL20	CL21	CL22	CL23	CL24	CL25	CL26	CL27	CL28	CL29	CL30	CL31	CL32	CL33	CL34	CL35	CL36	CL37	CL38	CL39	CL40	CL41	CL42	CL43	CL44	CL45	CL46	CL47	CL48	CL49	CL50	CL51	CL52	CL53	CL54	CL55	CL56	CL57	CL58	CL59	CL60	CL61	CL62	CL63	CL64	CL65	CL66	CL67	CL68	CL69	CL70	CL71	CL72	CL73	CL74	CL75	CL76	CL77	CL78	CL79	CL80	CL81	CL82	CL83	CL84	CL85	CL86	CL87	CL88	CL89	CL90	CL91	CL92	CL93	CL94	CL95	CL96	CL97	CL98	CL99	CL100	CL101	CL102	CL103	CL104	CL105	CL106	CL107	CL108	CL109	CL110	CL111	CL112	CL113	CL114	CL115	CL116	CL117	CL118	CL119	CL120	CL121	CL122	CL123	CL124	CL125	CL126	CL127	CL128	CL129	CL130	CL131	CL132	CL133	CL134	CL135	CL136	CL137	CL138	CL139	CL140	CL141	CL142	CL143	CL144	CL145	CL146	CL147	CL148	CL149	CL150	CL151	CL152	CL153	CL154	CL155	CL156	CL157	CL158	CL159	CL160	CL161	CL162	CL163	CL164	CL165	CL166	CL167	CL168	CL169	CL170	CL171	CL172	CL173	CL174	CL175	CL176	CL177	CL178	CL179	CL180	CL181	CL182	CL183	CL184	CL185	CL186	CL187	CL188	CL189	CL190	CL191	CL192	CL193	CL194	CL195	CL196	CL197	CL198	CL199	CL200	CL201	CL202	CL203	CL204	CL205	CL206	CL207	CL208	CL209	CL210	CL211	CL212	CL213	CL214	CL215	CL216	CL217	CL218	CL219	CL220	CL221	CL222	CL223	CL224	CL225	CL226	CL227	CL228	CL229	CL230	CL231	CL232	CL233	CL234	CL235	CL236	CL237	CL238	CL239	CL240	CL241	CL242	CL243	CL244	CL245	CL246	CL247	CL248	CL249	CL250	CL251	CL252	CL253	CL254	CL255	CL256	CL257	CL258	CL259	CL260	CL261	CL262	CL263	CL264	CL265	CL266	CL267	CL268	CL269	CL270	CL271	CL272	CL273	CL274	CL275	CL276	CL277	CL278	CL279	CL280	CL281	CL282	CL283	CL284	CL285	CL286	CL287	CL288	CL289	CL290	CL291	CL292	CL293	CL294	CL295	CL296	CL297	CL298	CL299	CL300	CL301	CL302	CL303	CL304	CL305	CL306	CL307	CL308	CL309	CL310	CL311	CL312	CL313	CL314	CL315	CL316	CL317	CL318	CL319	CL320	CL321	CL322	CL323	CL324	CL325	CL326	CL327	CL328	CL329	CL330	CL331	CL332	CL333	CL334	CL335	CL336	CL337	CL338	CL339	CL340	CL341	CL342	CL343	CL344	CL345	CL346	CL347	CL348	CL349	CL350	CL351	CL352	CL353	CL354	CL355	CL356	CL357	CL358	CL359	CL360	CL361	CL362	CL363	CL364	CL365	CL366	CL367	CL368	CL369	CL370	CL371	CL372	CL373	CL374	CL375	CL376	CL377	CL378	CL379	CL380	CL381	CL382	CL383	CL384	CL385	CL386	CL387	CL388	CL389	CL390	CL391	CL392	CL393	CL394	CL395	CL396	CL397	CL398	CL399	CL400	CL401	CL402	CL403	CL404	CL405	CL406	CL407	CL408	CL409	CL410	CL411	CL412	CL413	CL414	CL415	CL416	CL417	CL418	CL419	CL420	CL421	CL422	CL423	CL424	CL425	CL426	CL427	CL428	CL429	CL430	CL431	CL432	CL433	CL434	CL435	CL436	CL437	CL438	CL439	CL440	CL441	CL442	CL443	CL444	CL445	CL446	CL447	CL448	CL449	CL450	CL451	CL452	CL453	CL454	CL455	CL456	CL457	CL458	CL459	CL460	CL461	CL462	CL463	CL464	CL465	CL466	CL467	CL468	CL469	CL470	CL471	CL472	CL473	CL474	CL475	CL476	CL477	CL478	CL479	CL480	CL481	CL482	CL483	CL484	CL485	CL486	CL487	CL488	CL489	CL490	CL491	CL492	CL493	CL494	CL495	CL496	CL497	CL498	CL499	CL500	CL501	CL502	CL503	CL504	CL505	CL506	CL507	CL508	CL509	CL510	CL511	CL512	CL513	CL514	CL515	CL516	CL517	CL518	CL519	CL520	CL521	CL522	CL523	CL524	CL525	CL526	CL527	CL528	CL529	CL530	CL531	CL532	CL533	CL534	CL535	CL536	CL537	CL538	CL539	CL540	CL541	CL542	CL543	CL544	CL545	CL546	CL547	CL548	CL549	CL550	CL551	CL552	CL553	CL554	CL555	CL556	CL557	CL558	CL559	CL560	CL561	CL562	CL563	CL564	CL565	CL566	CL567	CL568	CL569	CL570	CL571	CL572	CL573	CL574	CL575	CL576	CL577	CL578	CL579	CL580	CL581	CL582	CL583	CL584	CL585	CL586	CL587	CL588	CL589	CL590	CL591	CL592	CL593	CL594	CL595	CL596	CL597	CL598	CL599	CL600	CL601	CL602	CL603	CL604	CL605	CL606	CL607	CL608	CL609	CL610	CL611	CL612	CL613	CL614	CL615	CL616	CL617	CL618	CL619	CL620	CL621	CL622	CL623	CL624	CL625	CL626	CL627	CL628	CL629	CL630	CL631	CL632	CL633	CL634	CL635	CL636	CL637	CL638	CL639	CL640	CL641	CL642	CL643	CL644	CL645	CL646	CL647	CL648	CL649	CL650	CL651	CL652	CL653	CL654	CL655	CL656	CL657	CL658	CL659	CL660	CL661	CL662	CL663	CL664	CL665	CL666	CL667	CL668	CL669	CL670	CL671	CL672	CL673	CL674	CL675	CL676	CL677	CL678	CL679	CL680	CL681	CL682	CL683	CL684	CL685	CL686	CL687	CL688	CL689	CL690	CL691	CL692	CL693	CL694	CL695	CL696	CL697	CL698	CL699	CL700	CL701	CL702	CL703	CL704	CL705	CL706	CL707	CL708	CL709	CL710	CL711	CL712	CL713	CL714	CL715	CL716	CL717	CL718	CL719	CL720	CL721	CL722	CL723	CL724	CL725	CL726	CL727	CL728	CL729	CL730	CL731	CL732	CL733	CL734	CL735	CL736	CL737	CL738	CL739	CL740	CL741	CL742	CL743	CL744	CL745	CL746	CL747	CL748	CL749	CL750	CL751	CL752	CL753	CL754	CL755	CL756	CL757	CL758	CL759	CL760	CL761	CL762	CL763	CL764	CL765	CL766	CL767	CL768	CL769	CL770	CL771	CL772	CL773	CL774	CL775	CL776	CL777	CL778	CL779	CL780	CL781	CL782	CL783	CL784	CL785	CL786	CL787	CL788	CL789	CL790	CL791	CL792	CL793	CL794	CL795	CL796	CL797	CL798	CL799	CL800	CL801	CL802	CL803	CL804	CL805	CL806	CL807	CL808	CL809	CL810	CL811	CL812	CL813	CL814	CL815	CL816	CL817	CL818	CL819	CL820	CL821	CL822	CL823	CL824	CL825	CL826	CL827	CL828	CL829	CL830	CL831	CL832	CL833	CL834	CL835	CL836	CL837	CL838	CL839	CL840	CL841	CL842	CL843	CL844	CL845	CL846	CL847	CL848	CL849	CL850	CL851	CL852	CL853	CL854	CL855	CL856	CL857	CL858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PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	BETA	KEY NO	HEIGHT	SUMMARY										SUM 200												CSFIS	CSFIS	CSFIS	CSFIS
						CLIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS
1	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	BETA	KEY NO	HEIGHT	SUMMARY										SUM 300												CSFIS	CSFIS	CSFIS	CSFIS
						CLIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS	CLFIS
1	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROBABILISTIC WIND FORCE DATA

SUMMARY. RUN 301

PY	Q ALPHA BETA	REV MD HEIGHT	CLIS CAP LB CMUC	CPIS CAP LB CMUB	CPNIS CPIB CMNY	CMNIS CMNB CLTB	CINIS CINB CINT	CSNIS CSNB CSNT
1	28.74 -0.01	6.34E+08 19.15	0.32 0.33 0.00	0.11 0.11 0.00	-0.26 -0.26 0.00	0.00 0.00 0.51	0.00 0.00 0.18	0.02 0.02 -0.26
2	28.85 -0.03 0.00	6.95E+08 32.82	0.40 0.40 0.00	0.11 0.11 0.00	-0.26 -0.26 0.00	0.00 0.00 0.47	0.00 0.00 0.18	0.01 0.01 -0.24
3	30.31 -0.06 0.00	6.95E+08 65.88	0.46 0.46 0.00	0.12 0.12 0.00	-0.27 -0.27 0.00	0.00 0.00 0.45	0.00 0.00 0.18	0.02 0.02 -0.24
4	30.31 -0.07 0.00	6.95E+08 87.48	0.45 0.45 0.00	0.11 0.11 0.00	-0.27 -0.27 0.00	0.00 0.00 0.44	0.00 0.00 0.18	0.01 0.01 -0.24

EXPLOSIVE WIND FORCE DATA

SUNN & SONS, 200 W. 302

PT	Q ALPHA	REV MO HEIGHT	CL15 CSF15 CNR15	CM15 CAT15 CM15	CM15 CM15 CM15	CM15 CM15 CL15	CM15 CM15 CNR15	CSF15 CSF15 CNR15
2	30.12	0.96E+06	0.46	0.12	-0.26	0.00	-0.01	0.01
	0.03	0.87E+06	0.46	0.12	-0.26	0.00	-0.01	0.01
	0.00	87.42	0.00	0.00	0.00	0.45	0.17	-0.25
3	30.12	0.96E+06	0.83	0.15	-0.31	0.00	0.00	0.01
	4.06	0.87E+06	0.83	0.11	-0.31	0.00	0.00	0.01
	0.00	87.32	0.00	0.00	0.00	0.61	0.20	-0.28
4	30.00	0.95E+06	0.80	0.20	-0.36	0.00	0.00	0.00
	8.06	0.87E+06	0.82	0.08	-0.36	0.00	0.00	0.00
	0.00	87.68	0.00	0.00	0.00	0.78	0.24	-0.31
5	30.00	0.95E+06	1.02	0.28	-0.40	0.00	0.00	0.00
	12.04	0.87E+06	1.06	0.07	-0.40	0.00	0.00	0.00
	0.00	87.75	0.00	0.00	0.00	1.00	0.33	-0.36
6	30.12	0.96E+06	1.13	0.41	-0.46	0.00	0.00	0.01
	16.07	0.87E+06	1.20	0.08	-0.46	0.00	0.00	0.01
	0.00	87.63	0.00	0.00	0.00	1.10	0.45	-0.41
7	28.54	0.95E+06	1.10	0.61	-0.45	0.01	0.00	-0.01
	22.05	0.87E+06	1.33	0.12	-0.45	0.01	0.00	-0.01
	0.00	88.15	0.00	0.00	0.00	1.18	0.85	-0.42

PROPELLSIVE WING FORCE DATA

SUMMARY, RUN 384													
PT	Q	REF NO	CLIS	CLIFIB	CMIS	CMIFIB	CLTR	CMIS	CMIFIB	CLTR	CMIS	CMIFIB	CLTR
ALPHA	BETA	HEIGHT	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC
1	10.00	0.95E+06	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
	0.02	87.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8.89	0.95E+06	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
	0.00	87.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	10.00	0.95E+06	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91
	8.97	87.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	10.12	0.95E+06	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	12.03	87.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	10.12	0.95E+06	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31
	16.97	87.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	10.35	0.95E+06	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44
	22.02	88.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE WING FORCE DATA

SUMMARY, RUN 383													
PT	Q	REF NO	CLIS	CLIFIB	CMIS	CMIFIB	CLTR	CMIS	CMIFIB	CLTR	CMIS	CMIFIB	CLTR
ALPHA	BETA	HEIGHT	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC	CHUC
1	16.35	0.71E+06	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
	-0.02	88.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	16.44	0.71E+06	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11
	4.00	87.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	16.21	0.71E+06	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
	8.66	87.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16.78	0.71E+06	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
	12.08	87.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16.44	0.71E+06	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87
	16.04	87.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	15.58	0.70E+06	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08
	22.08	89.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY. RUN 300													
PT	Q	CLIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS
ALPHA	CLIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS
BETA	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS
1	1.38	7.48	-2.81	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
2	0.95	7.48	-2.91	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
3	0.00	7.48	-2.91	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
4	1.37	8.00	-2.84	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
5	4.82	8.30	-3.23	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
6	0.00	8.00	-2.84	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
7	1.15	10.38	-2.13	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
8	0.00	8.00	-2.84	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
9	1.15	10.45	-1.44	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
10	12.83	8.33	-3.59	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
11	0.00	8.00	-2.84	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
12	1.37	10.18	-0.48	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
13	18.11	8.37	-3.37	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
14	0.00	8.00	-2.84	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
15	1.38	10.05	0.78	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
16	21.88	8.00	-3.45	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08
17	0.00	8.00	-2.84	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08

PROPELLSIVE MING FORCE DATA

SUMMARY. RUN 300													
PT	Q	CLIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS
ALPHA	CLIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS
BETA	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS	CHIS
1	5.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
2	0.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
3	0.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
4	5.17	3.44	-0.22	-2.34	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
5	4.83	3.42	-0.48	-2.34	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
6	0.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
7	5.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
8	0.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
9	5.28	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
10	12.04	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
11	0.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
12	5.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
13	18.12	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
14	0.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
15	5.40	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
16	22.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
17	0.00	3.07	-0.41	-2.17	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

PROPELLSIVE MINE FORCE DATA

PI	SUMMARY										SUM 300		
	ALPHA DETA	DELTA HEIGHT	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC
2	20.00	0.01	0.005-00	0.31	0.10	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	20.00	0.01	0.005-00	0.31	0.10	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	20.00	0.01	0.005-00	0.31	0.10	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20.00	0.01	0.005-00	0.31	0.10	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20.00	0.01	0.005-00	0.31	0.10	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	20.00	0.01	0.005-00	0.31	0.10	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MINE FORCE DATA

PI	SUMMARY										SUM 370		
	ALPHA DETA	DELTA HEIGHT	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC	CL 15 CMC
1	21.04	0.02	0.010-00	1.51	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21.15	0.02	0.010-00	1.74	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	21.04	0.02	0.010-00	1.74	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	21.04	0.02	0.010-00	1.74	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21.15	0.02	0.010-00	1.74	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21.04	0.02	0.010-00	1.74	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ORIGINAL PAGE IS
OF POOR QUALITY

P R O P E L S I V E M I N O F O R C E D A T A											
S U M M A R Y, B U N 372											
PT	Q ALPHA BETA	Q NET MB RESIDENT	CL 15 CAY MB CHOC	CPW15 CPW16 CMT	CM15 CM16 CL 17	CPW15 CPW16 CMT	CM15 CM16 CL 17	CPW15 CPW16 CMT	CM15 CM16 CL 17	CPW15 CPW16 CMT	CM15 CM16 CL 17
1	3.17 -0.01 0.00	0.00E+00 0.00 0.00	2.04 2.04 1.00	-0.23 -0.23 2.75	-0.03 -0.02 1.31	-0.75 -0.74 2.75	-0.03 -0.02 1.31	-0.03 -0.02 0.53	-0.03 -0.02 0.01	0.00 0.00 -0.07	0.00 0.00 0.00
2	3.29 -0.00 0.00	0.00E+00 0.00 0.00	2.31 2.27 0.00	-0.07 -0.70 0.00	-0.03 -0.03 1.00	-0.03 -0.03 2.74	-0.03 -0.02 1.01	-0.02 -0.02 0.53	-0.01 -0.02 -0.01	0.01 -0.02 -0.02	0.00 0.00 0.00
3	3.70 0.00 0.00	0.00E+00 0.00 0.00	2.70 2.64 0.00	-0.15 -0.07 1.00	-0.00 -0.00 1.00	-0.00 -0.00 2.74	-0.00 -0.00 1.75	-0.00 -0.00 0.00	-0.00 -0.00 0.00	0.00 0.00 -0.01	0.00 0.00 0.00
4	3.00 12.03 0.00	0.01E+00 0.00 0.00	4.00 0.00 0.00	0.27 -0.50 1.00	-0.00 -0.00 1.00	-0.00 -0.00 2.00	-0.00 -0.04 2.11	-0.04 -0.00 1.00	-0.04 -0.00 0.00	0.00 0.00 -0.02	0.00 0.00 0.00
5	3.17 10.00 0.00	0.00E+00 0.00 0.00	4.53 0.00 0.00	0.00 -0.03 1.00	-0.00 -0.00 2.00	-0.07 -0.07 2.00	-0.01 -0.01 2.02	-0.03 -0.01 1.00	-0.00 -0.00 0.00	-0.00 -0.00 0.00	0.00 0.00 0.00
6	3.00 21.07 0.00	0.00E+00 0.00 0.00	5.01 0.10 0.00	1.20 -0.03 0.00	-0.00 -0.00 2.00	-0.00 -0.00 2.00	-0.01 -0.00 2.70	-0.02 -0.02 1.00	-0.02 -0.02 0.00	-0.02 -0.02 0.00	0.00 0.00 0.00

[illegible]

PROPELLSIVE MING FORCE DATA

PT	SUMMARY. RUN 373										SUMMARY. RUN 374									
	ALPHA DELTA	KEY NO DELTA	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC
1	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
2	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
3	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
4	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
5	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
6	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03

PROPELLSIVE MING FORCE DATA

PT	SUMMARY. RUN 373										SUMMARY. RUN 374									
	ALPHA DELTA	KEY NO DELTA	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC	CLIS CHOC
1	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
2	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
3	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
4	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
5	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03
6	2.00	0.200+00	0.11	-1.01	-1.07	-0.04	-0.02	-0.02	0.12	0.12	0.15	-0.01	0.100+00	0.01	-0.00	-0.02	-0.02	0.03	0.03	0.03

PROPELLSIVE MING FORCE DATA

PI	SUMMARY										SUM 375									
	ALPHA	DELTA	SET UP	REL. INT.	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS
1	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PI	SUMMARY										SUM 375									
	ALPHA	DELTA	SET UP	REL. INT.	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS	CLIS
2	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PI	SUMMARY, RUN 377									
	ALPHA DETA	NET WGT INCENT	CL 15 CST 15 CNC	CL 16 CST 16 CNC	CL 17 CST 17 CNC	CL 18 CST 18 CNC	CL 19 CST 19 CNC	CL 20 CST 20 CNC	CL 21 CST 21 CNC	CL 22 CST 22 CNC
1	10.50 -0.03 0.00	0.57E+00 16.29	0.37 0.37 0.00	0.14 0.14 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
2	10.48 0.02 0.00	0.54E+00 32.77	0.31 0.31 0.00	0.15 0.15 0.00	-0.10 -0.10 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
3	10.48 0.00 0.00	0.54E+00 100.50	0.30 0.30 0.00	0.15 0.15 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
4	10.50 -0.02 0.00	0.57E+00 87.20	0.48 0.48 0.00	0.14 0.14 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00

PROPELLSIVE MING FORCE DATA

PI	SUMMARY, RUN 378									
	ALPHA DETA	NET WGT INCENT	CL 15 CST 15 CNC	CL 16 CST 16 CNC	CL 17 CST 17 CNC	CL 18 CST 18 CNC	CL 19 CST 19 CNC	CL 20 CST 20 CNC	CL 21 CST 21 CNC	CL 22 CST 22 CNC
1	5.18 0.00 0.00	0.44E+00 18.51	0.34 0.34 0.00	0.14 0.14 0.00	-0.10 -0.10 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
2	5.20 -0.02 0.00	0.44E+00 32.52	0.37 0.37 0.00	0.14 0.14 0.00	-0.08 -0.08 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
3	5.20 -0.02 0.00	0.44E+00 89.71	0.32 0.32 0.00	0.13 0.13 0.00	-0.11 -0.11 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
4	5.20 0.02 0.00	0.44E+00 87.40	0.32 0.32 0.00	0.13 0.13 0.00	-0.10 -0.10 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00

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PROPUISIVE WING FORCE DATA

RESEARCH

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PROPELLSIVE MING FORCE DATA

PI	ALPHA DETA	INT RELINT	SUMMARY				RHH 362				DATA			
			CL 15	CL 16	CL 17	CL 18	CH 15	CH 16	CH 17	CH 18	CH 15	CH 16	CH 17	CH 18
1	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00
2	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00
3	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00
4	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PI	ALPHA DETA	INT RELINT	SUMMARY				RHH 361				DATA			
			CL 15	CL 16	CL 17	CL 18	CH 15	CH 16	CH 17	CH 18	CH 15	CH 16	CH 17	CH 18
1	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00
2	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00
3	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00
4	10.20	0.00	2.15	2.15	2.15	2.15	-0.25	-0.25	-0.25	-0.25	0.00	0.00	0.00	0.00

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PROPULSIVE MINE FORCE DATA													
SUMMARY. RUN 300													
PI	Q	ALPHA	REY MD	CL 15	CL 16	CL 17	CL 18	CL 19	CL 20	CL 21	CL 22	CL 23	CL 24
		DELTA	HEIGHT	CMC	CMC	CMC	CMC	CMC	CMC	CMC	CMC	CMC	CMC
1	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
2	0.04	0.04	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
3	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
4	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
5	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
6	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07

PROPULSIVE MINE FORCE DATA													
SUMMARY. RUN 303													
PI	Q	ALPHA	REY MD	CL 15	CL 16	CL 17	CL 18	CL 19	CL 20	CL 21	CL 22	CL 23	CL 24
		DELTA	HEIGHT	CMC	CMC	CMC	CMC	CMC	CMC	CMC	CMC	CMC	CMC
1	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
2	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
3	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07
4	0.00	0.00	0.300+00	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07	10.07

PROPELLSIVE MINE FORCE DATA

SUMMARY REPORT																			
PT	Q	ALPHA	BETA	REV NO	REV UNIT	SUMMARY										CSF 15	CSF 16	CSF 18	CSF 19
						CL 15	CS 15	CP 15	CM 15	CL 16	CS 16	CP 16	CM 16	CL 17	CS 17					CP 17	CM 17	CL 18	CS 18	CP 18	CM 18
2	0.00					72.14	-37.83	-328.30	847.90	494.70	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
	0.11	0.304	0.00			72.00	-37.86	-328.30	846.90	497.90	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
	0.00	0.00	0.00			72.00	-37.86	-328.30	846.90	497.90	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
3	0.00					92.83	-64.79	-417.00	889.50	571.50	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	
	0.14	0.304	0.00			92.67	-65.02	-419.00	887.90	573.90	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	
	0.00	0.00	0.00			92.83	-64.79	-417.00	889.50	571.50	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	
4	0.00					97.32	-95.83	-481.70	889.00	762.00	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
	0.14	0.304	0.00			97.17	-94.90	-481.70	887.90	764.20	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
	0.00	0.00	0.00			97.32	-95.83	-481.70	889.00	762.00	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
5	0.00					97.41	-94.10	-481.00	895.00	895.20	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	
	0.13	0.304	0.00			97.24	-94.24	-481.00	893.00	897.50	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	
	0.00	0.00	0.00			97.41	-94.10	-481.00	895.00	895.20	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	

PROPELLSIVE MINE FORCE DATA

PT	Q	ALPHA	REV NO	REV UNIT	SUMMARY										CSF 15	CSF 16	CSF 18	CSF 19
					CL 15	CS 15	CP 15	CM 15	CL 16	CS 16	CP 16	CM 16	CL 17	CS 17				
2	20.81	0.00	0.766-06	87.48	1.02	-328.40	-0.00	0.18	3.00	-0.13								
	-0.01				1.11	-328.40	-0.00	0.18	0.00	-0.13								
	0.00				0.20	0.25	0.00	0.00	-330.20	0.00								
3	20.81	0.00	0.766-06	87.42	98.71	-1264.00	-0.07	0.18	0.00	-0.14								
	4.04				1.00	-1264.00	-0.07	0.18	0.00	-0.14								
	0.00				0.20	0.25	0.00	98.31	-1300.00	-0.01								
4	20.80	0.00	0.766-06	87.58	2.00	0.07	-0.03	0.18	0.00	-0.11								
	12.06				3.14	0.12	-0.03	0.18	0.07	-0.11								
	0.00				0.20	0.25	0.00	1.04	0.73	0.04								

PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	BETA	REY MO	MEIGMT	SUMMARY, RUN 366										CSF 15			
						CL 15	CAF 15	CHAM	CHMT	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15
1	10.00	0.01	0.00	0.542+00	27.04	1.47	-302.30	0.03	0.03	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	10.00	0.01	0.00	0.542+00	27.04	1.41	-302.30	0.03	0.03	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	10.00	0.01	0.00	0.542+00	27.04	1.41	-302.30	0.03	0.03	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	BETA	REY MO	MEIGMT	SUMMARY, RUN 366										CSF 15			
						CL 15	CAF 15	CHAM	CHMT	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15	CHN15
1	10.00	0.01	0.00	0.542+00	27.04	1.47	-302.30	0.03	0.03	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	10.00	0.01	0.00	0.542+00	27.04	1.41	-302.30	0.03	0.03	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	10.00	0.01	0.00	0.542+00	27.04	1.41	-302.30	0.03	0.03	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPULSIVE WING FORCE DATA

SUMMARY, RUN 389											
PT	ALPHA BETA	REV MO HEIGHT	CLIS CHTIB CHUC	CMHIS CPHIB CHUT	CLIS CHTIB CHUC	CMHIS CPHIB CHUT	CLIS CHTIB CHUC	CMHIS CPHIB CHUT	CLIS CHTIB CHUC	CMHIS CPHIB CHUT	CSFIS CSFIB CSFIR
12	0.00	0.30E+08	18.55	-11.48	338.80	15.18	18.38	0.84	0.00	0.00	0.01
	0.00	0.30E+08	18.54	-11.51	338.80	15.18	18.41	0.84	0.00	0.00	0.01
	0.00	0.30E+08	24.86	0.00	24.86	-32.55	-7.41	347.16	0.00	0.41	0.16
15	0.00	0.30E+08	23.82	-17.48	504.80	18.38	27.76	-0.58	0.00	0.00	0.01
	0.00	0.30E+08	23.78	-17.51	504.80	18.33	27.82	-0.58	0.00	0.00	0.01
	0.00	0.30E+08	40.15	0.00	40.15	-47.64	28.17	515.80	0.00	0.48	0.16
18	0.00	0.30E+08	31.72	-23.25	884.40	18.24	30.82	-1.04	0.00	0.00	0.01
	0.00	0.30E+08	31.65	-23.31	884.40	18.15	30.74	-1.04	0.00	0.00	0.01
	0.00	0.30E+08	54.11	0.00	54.11	-58.63	41.08	708.70	0.00	0.52	0.16
17	0.00	0.30E+08	40.81	-28.40	855.80	-0.70	13.82	0.33	0.00	0.00	0.01
	0.00	0.30E+08	40.51	-28.54	855.80	-0.75	13.82	0.33	0.00	0.00	0.01
	0.00	0.30E+08	68.11	0.00	68.11	-80.62	22.04	875.40	0.00	0.55	0.16
18	0.00	0.30E+08	42.41	-28.47	877.20	12.31	20.68	0.15	0.00	0.00	0.01
	0.00	0.30E+08	42.30	-28.62	877.20	12.24	20.71	0.15	0.00	0.00	0.01
	0.00	0.30E+08	78.02	0.00	78.02	-116.00	22.57	898.50	0.00	0.18	0.16

PROPULSIVE MING FORCE DATA

SUMMARY. RUN 382											
PT	Q ALPHA BETA	REF NO HEIGHT	CLIS CMTB CROC	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB
1	10.88	0.57E+08	0.77	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	10.48	0.58E+08	0.81	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	10.48	0.58E+08	0.81	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SUMMARY. RUN 383

PT	Q ALPHA BETA	REF NO HEIGHT	CLIS CMTB CROC	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB	CDIS CMTB CMTB
1	10.88	0.57E+08	0.77	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	10.48	0.58E+08	0.81	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	10.48	0.58E+08	0.81	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	10.58	0.57E+08	0.78	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10.48	0.58E+08	0.80	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE WING FORCE DATA

SUMMARY, RUN 384

PT	ALPHA BETA	REV MO HEIGHT	CLIS CMFIB CMNC	CDIS CAFIB CMNC	CPHIS CPHIB CMUT	CONIS CONIB CLTR	CYHIS CYHIB CDTR	CSFIS CSFIB CHTR
2	20.81 0.00	0.78E+08 58.78	0.17 0.00	0.05 0.00	0.14 0.00	0.00 0.16	-0.01 0.05	0.01 0.15
3	21.44 0.00	0.78E+08 58.97	0.17 0.00	0.05 0.00	0.15 0.00	0.00 0.16	-0.01 0.05	0.01 0.16
4	20.82 0.00	0.78E+08 58.98	0.18 0.00	0.05 0.00	0.15 0.00	0.00 0.17	0.00 0.05	0.01 0.16
5	20.82 0.00	0.78E+08 58.98	0.17 0.00	0.05 0.00	0.15 0.00	0.00 0.15	0.00 0.05	0.01 0.16
6	20.82 0.00	0.78E+08 58.98	0.17 0.00	0.05 0.00	0.15 0.00	0.00 0.16	0.00 0.05	0.02 0.16
7	21.04 0.00	0.78E+08 71.95	0.17 0.00	0.05 0.00	0.15 0.00	0.00 0.16	0.00 0.05	0.01 0.16
8	21.04 0.00	0.78E+08 74.95	0.17 0.00	0.05 0.00	0.15 0.00	0.00 0.16	0.00 0.05	0.02 0.16
9	20.82 0.00	0.78E+08 77.94	0.18 0.00	0.05 0.00	0.15 0.00	0.00 0.15	0.00 0.05	0.02 0.16
10	20.82 0.00	0.78E+08 80.87	0.18 0.00	0.05 0.00	0.15 0.00	0.00 0.15	0.00 0.05	0.02 0.16
11	20.82 0.00	0.78E+08 83.87	0.18 0.00	0.05 0.00	0.15 0.00	0.00 0.15	0.00 0.05	0.01 0.16
12	20.82 0.00	0.78E+08 86.89	0.17 0.00	0.05 0.00	0.14 0.00	0.00 0.15	0.00 0.05	0.01 0.16

PROPELLSIVE WING FORCE DATA

SUMMARY, RUN 395

PT	ALPHA BETA	REV MO HEIGHT	CLIS CMFIB CMNC	CDIS CAFIB CMNC	CPHIS CPHIB CMUT	CONIS CONIB CLTR	CYHIS CYHIB CDTR	CSFIS CSFIB CHTR
2	20.82 0.00	0.78E+08 58.97	0.17 0.00	0.05 0.00	0.15 0.00	0.00 0.16	-0.01 0.05	0.00 0.16
3	21.04 0.00	0.78E+08 64.98	0.17 0.00	0.05 0.00	0.15 0.00	0.00 0.16	-0.01 0.05	0.01 0.16
4	21.04 0.00	0.78E+08 67.98	0.17 0.00	0.05 0.00	0.14 0.00	0.00 0.16	-0.01 0.05	0.01 0.16

PROPELLSIVE MING FORCE DATA

PT	ALPHA BETA	REY NO REIGNT	SUMMARY, RUN 300				SUMMARY, RUN 307			
			CLIS CST IS	CLIS CST IS	CLIS CST IS	CLIS CST IS	CLIS CST IS	CLIS CST IS	CLIS CST IS	CLIS CST IS
1	10.36	0.55E+06	0.77	-0.03	0.70	-0.01	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.77	-0.03	0.70	-0.01	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.50	0.50	0.57	0.57	0.50
2	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
3	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
4	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
5	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
6	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
7	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
8	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
9	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
10	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50
11	10.36	0.55E+06	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.01	58.95	0.70	-0.03	0.70	0.00	-0.01	0.04	-0.01	-0.02
	0.00	58.95	0.48	0.00	0.48	0.53	0.53	0.57	0.57	0.50

PROFESSIVE WIND FORCE DATA

3000 ADV. 200 401

PT	ALPHA BETA	NET RET	CL15 CH15 CMC	CM15 CA15 CHM	CPM15 CPM15 CMU	CMR15 CMR15 CLR	CTM15 CTM15 CTR	CS15 CS15 CTR
1	3.17 -0.16	0.39E+06 87.43	1.16 1.07	-0.22 -0.21	0.94 0.94	0.00 0.00	0.00 0.00	0.04 0.04
2	3.17 -0.04	0.39E+06 84.84	1.16 1.00	-0.21 -0.21	0.95 1.00	0.00 -0.53	0.00 0.77	0.04 1.23
3	3.17 -0.01	0.39E+06 81.83	1.17 1.01	-0.21 -0.21	0.95 1.01	0.00 -0.54	0.00 0.78	0.00 1.24
4	3.17 0.00	0.39E+06 78.87	1.17 1.01	-0.21 -0.21	0.95 1.01	0.00 -0.55	0.01 0.78	0.00 0.95
5	3.17 0.00	0.39E+06 75.88	1.16 1.01	-0.21 -0.21	0.95 1.01	0.00 -0.55	0.00 0.77	0.04 1.24
6	3.20 0.00	0.39E+06 72.88	1.16 1.00	-0.20 -0.20	0.93 0.95	0.00 -0.52	0.00 0.78	0.04 1.21
7	3.17 0.01	0.39E+06 69.82	1.16 1.02	-0.20 -0.20	0.93 1.02	0.00 -0.53	0.00 0.78	0.04 1.24
8	3.17 0.01	0.39E+06 66.80	1.17 1.01	-0.21 -0.21	0.96 1.01	0.00 -0.55	0.00 0.77	0.05 1.24
9	3.40 0.01	0.40E+06 63.82	1.12 1.02	-0.20 -0.20	0.93 0.97	0.00 -0.52	0.01 0.74	0.03 1.20
0	3.40 0.01	0.40E+06 60.84	1.13 1.03	-0.20 -0.20	0.93 0.97	0.00 -0.52	0.01 0.74	0.03 1.20
1	3.40 0.01	0.40E+06 57.87	1.14 1.00	-0.20 -0.20	0.92 0.96	0.00 -0.51	0.00 0.74	0.03 1.18

POPULATIVE WIND FORCE DATA

SUBMARINE, NO. 609

[illegible]

PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	NET MD	NET MT	SUMMARY										SUM 400			
					CLIS	CS/IS	CL/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MING FORCE DATA

PT	Q	ALPHA	NET MD	NET MT	SUMMARY										SUM 400			
					CLIS	CS/IS	CL/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS	CH/IS
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLIVE MING FORCE DATA

PT	ALPHA BETA	RET HD HEIGHT	SUMMARY				SUM				CSFIS			
			CLIS	CMFIS	CMFIS	CMFIS	CLIS	CMFIS	CMFIS	CMFIS	CLIS	CMFIS	CMFIS	CMFIS
2	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44
3	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44
4	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44
5	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44
6	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44

PT	ALPHA BETA	RET HD HEIGHT	SUMMARY				SUM				CSFIS			
			CLIS	CMFIS	CMFIS	CMFIS	CLIS	CMFIS	CMFIS	CMFIS	CLIS	CMFIS	CMFIS	CMFIS
7	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44
8	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44
9	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44
10	0.00	0.300-00	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44	0.54	18.44	18.44	18.44

PROPELLSIVE MINE FORCE DATA

PT	Q	ALPHA	BETA	REV AND HEIGHT	SUMMARY				RUN 410				CSF 15	CSF 16	CSF 18
					CLIS	CAF 15	CAF 16	CAF 18	CMR 15	CMR 16	CMR 18	CLTR			
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPELLSIVE MINE FORCE DATA

PT	Q	ALPHA	BETA	REV AND HEIGHT	SUMMARY				RUN 400				CSF 15	CSF 16	CSF 18
					CLIS	CAF 15	CAF 16	CAF 18	CMR 15	CMR 16	CMR 18	CLTR			
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROPULSIVE MING FORCE DATA

PT	Q	SUMMARY										SUMMARY									
		ALPHA	NET MO	CLIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CLIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS
	BETA	NET MO	CLIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CLIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS	CMIS
2	10.50	0.02	0.97E+00	0.15	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	57.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
3	10.50	0.02	0.97E+00	0.15	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	60.36	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
4	10.50	0.02	0.97E+00	0.15	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	63.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
5	10.46	0.01	0.97E+00	0.13	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	66.01	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
6	10.50	0.01	0.97E+00	0.13	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	68.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
7	10.50	0.01	0.97E+00	0.13	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	72.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
8	10.46	0.01	0.97E+00	0.13	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	75.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
9	10.50	0.01	0.97E+00	0.13	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	78.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
10	10.50	0.01	0.97E+00	0.13	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	81.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00	0.41	0.00
11	10.46	0.00	0.97E+00	0.14	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	84.01	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00
2	10.46	0.00	0.97E+00	0.14	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	87.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00	0.42	0.00

PROPELLSIVE MING FORCE DATA

SUMMARY. RUN 413

PI	Q	ALPHA	BETA	KEY NO	HEIGHT	CL 15	CL 18	CL 19	CL 20	CL 21	CL 22	CL 23	CL 24	CL 25	CL 26	CL 27	CL 28	CL 29	CL 30	CL 31	CL 32	CL 33	CL 34	CL 35	CL 36	CL 37	CL 38	CL 39	CL 40	CL 41	CL 42	CL 43	CL 44	CL 45	CL 46	CL 47	CL 48	CL 49	CL 50	CL 51	CL 52	CL 53	CL 54	CL 55	CL 56	CL 57	CL 58	CL 59	CL 60	CL 61	CL 62	CL 63	CL 64	CL 65	CL 66	CL 67	CL 68	CL 69	CL 70	CL 71	CL 72	CL 73	CL 74	CL 75	CL 76	CL 77	CL 78	CL 79	CL 80	CL 81	CL 82	CL 83	CL 84	CL 85	CL 86	CL 87	CL 88	CL 89	CL 90	CL 91	CL 92	CL 93	CL 94	CL 95	CL 96	CL 97	CL 98	CL 99	CL 100	CL 101	CL 102	CL 103	CL 104	CL 105	CL 106	CL 107	CL 108	CL 109	CL 110	CL 111	CL 112	CL 113	CL 114	CL 115	CL 116	CL 117	CL 118	CL 119	CL 120	CL 121	CL 122	CL 123	CL 124	CL 125	CL 126	CL 127	CL 128	CL 129	CL 130	CL 131	CL 132	CL 133	CL 134	CL 135	CL 136	CL 137	CL 138	CL 139	CL 140	CL 141	CL 142	CL 143	CL 144	CL 145	CL 146	CL 147	CL 148	CL 149	CL 150	CL 151	CL 152	CL 153	CL 154	CL 155	CL 156	CL 157	CL 158	CL 159	CL 160	CL 161	CL 162	CL 163	CL 164	CL 165	CL 166	CL 167	CL 168	CL 169	CL 170	CL 171	CL 172	CL 173	CL 174	CL 175	CL 176	CL 177	CL 178	CL 179	CL 180	CL 181	CL 182	CL 183	CL 184	CL 185	CL 186	CL 187	CL 188	CL 189	CL 190	CL 191	CL 192	CL 193	CL 194	CL 195	CL 196	CL 197	CL 198	CL 199	CL 200	CL 201	CL 202	CL 203	CL 204	CL 205	CL 206	CL 207	CL 208	CL 209	CL 210	CL 211	CL 212	CL 213	CL 214	CL 215	CL 216	CL 217	CL 218	CL 219	CL 220	CL 221	CL 222	CL 223	CL 224	CL 225	CL 226	CL 227	CL 228	CL 229	CL 230	CL 231	CL 232	CL 233	CL 234	CL 235	CL 236	CL 237	CL 238	CL 239	CL 240	CL 241	CL 242	CL 243	CL 244	CL 245	CL 246	CL 247	CL 248	CL 249	CL 250	CL 251	CL 252	CL 253	CL 254	CL 255	CL 256	CL 257	CL 258	CL 259	CL 260	CL 261	CL 262	CL 263	CL 264	CL 265	CL 266	CL 267	CL 268	CL 269	CL 270	CL 271	CL 272	CL 273	CL 274	CL 275	CL 276	CL 277	CL 278	CL 279	CL 280	CL 281	CL 282	CL 283	CL 284	CL 285	CL 286	CL 287	CL 288	CL 289	CL 290	CL 291	CL 292	CL 293	CL 294	CL 295	CL 296	CL 297	CL 298	CL 299	CL 300	CL 301	CL 302	CL 303	CL 304	CL 305	CL 306	CL 307	CL 308	CL 309	CL 310	CL 311	CL 312	CL 313	CL 314	CL 315	CL 316	CL 317	CL 318	CL 319	CL 320	CL 321	CL 322	CL 323	CL 324	CL 325	CL 326	CL 327	CL 328	CL 329	CL 330	CL 331	CL 332	CL 333	CL 334	CL 335	CL 336	CL 337	CL 338	CL 339	CL 340	CL 341	CL 342	CL 343	CL 344	CL 345	CL 346	CL 347	CL 348	CL 349	CL 350	CL 351	CL 352	CL 353	CL 354	CL 355	CL 356	CL 357	CL 358	CL 359	CL 360	CL 361	CL 362	CL 363	CL 364	CL 365	CL 366	CL 367	CL 368	CL 369	CL 370	CL 371	CL 372	CL 373	CL 374	CL 375	CL 376	CL 377	CL 378	CL 379	CL 380	CL 381	CL 382	CL 383	CL 384	CL 385	CL 386	CL 387	CL 388	CL 389	CL 390	CL 391	CL 392	CL 393	CL 394	CL 395	CL 396	CL 397	CL 398	CL 399	CL 400	CL 401	CL 402	CL 403	CL 404	CL 405	CL 406	CL 407	CL 408	CL 409	CL 410	CL 411	CL 412	CL 413	CL 414	CL 415	CL 416	CL 417	CL 418	CL 419	CL 420	CL 421	CL 422	CL 423	CL 424	CL 425	CL 426	CL 427	CL 428	CL 429	CL 430	CL 431	CL 432	CL 433	CL 434	CL 435	CL 436	CL 437	CL 438	CL 439	CL 440	CL 441	CL 442	CL 443	CL 444	CL 445	CL 446	CL 447	CL 448	CL 449	CL 450	CL 451	CL 452	CL 453	CL 454	CL 455	CL 456	CL 457	CL 458	CL 459	CL 460	CL 461	CL 462	CL 463	CL 464	CL 465	CL 466	CL 467	CL 468	CL 469	CL 470	CL 471	CL 472	CL 473	CL 474	CL 475	CL 476	CL 477	CL 478	CL 479	CL 480	CL 481	CL 482	CL 483	CL 484	CL 485	CL 486	CL 487	CL 488	CL 489	CL 490	CL 491	CL 492	CL 493	CL 494	CL 495	CL 496	CL 497	CL 498	CL 499	CL 500	CL 501	CL 502	CL 503	CL 504	CL 505	CL 506	CL 507	CL 508	CL 509	CL 510	CL 511	CL 512	CL 513	CL 514	CL 515	CL 516	CL 517	CL 518	CL 519	CL 520	CL 521	CL 522	CL 523	CL 524	CL 525	CL 526	CL 527	CL 528	CL 529	CL 530	CL 531	CL 532	CL 533	CL 534	CL 535	CL 536	CL 537	CL 538	CL 539	CL 540	CL 541	CL 542	CL 543	CL 544	CL 545	CL 546	CL 547	CL 548	CL 549	CL 550	CL 551	CL 552	CL 553	CL 554	CL 555	CL 556	CL 557	CL 558	CL 559	CL 560	CL 561	CL 562	CL 563	CL 564	CL 565	CL 566	CL 567	CL 568	CL 569	CL 570	CL 571	CL 572	CL 573	CL 574	CL 575	CL 576	CL 577	CL 578	CL 579	CL 580	CL 581	CL 582	CL 583	CL 584	CL 585	CL 586	CL 587	CL 588	CL 589	CL 590	CL 591	CL 592	CL 593	CL 594	CL 595	CL 596	CL 597	CL 598	CL 599	CL 600	CL 601	CL 602	CL 603	CL 604	CL 605	CL 606	CL 607	CL 608	CL 609	CL 610	CL 611	CL 612	CL 613	CL 614	CL 615	CL 616	CL 617	CL 618	CL 619	CL 620	CL 621	CL 622	CL 623	CL 624	CL 625	CL 626	CL 627	CL 628	CL 629	CL 630	CL 631	CL 632	CL 633	CL 634	CL 635	CL 636	CL 637	CL 638	CL 639	CL 640	CL 641	CL 642	CL 643	CL 644	CL 645	CL 646	CL 647	CL 648	CL 649	CL 650	CL 651	CL 652	CL 653	CL 654	CL 655	CL 656	CL 657	CL 658	CL 659	CL 660	CL 661	CL 662	CL 663	CL 664	CL 665	CL 666	CL 667	CL 668	CL 669	CL 670	CL 671	CL 672	CL 673	CL 674	CL 675	CL 676	CL 677	CL 678	CL 679	CL 680	CL 681	CL 682	CL 683	CL 684	CL 685	CL 686	CL 687	CL 688	CL 689	CL 690	CL 691	CL 692	CL 693	CL 694	CL 695	CL 696	CL 697	CL 698	CL 699	CL 700	CL 701	CL 702	CL 703	CL 704	CL 705	CL 706	CL 707	CL 708	CL 709	CL 710	CL 711	CL 712	CL 713	CL 714	CL 715	CL 716	CL 717	CL 718	CL 719	CL 720	CL 721	CL 722	CL 723	CL 724	CL 725	CL 726	CL 727	CL 728	CL 729	CL 730	CL 731	CL 732	CL 733	CL 734	CL 735	CL 736	CL 737	CL 738	CL 739	CL 740	CL 741	CL 742	CL 743	CL 744	CL 745	CL 746	CL 747	CL 748	CL 749	CL 750	CL 751	CL 752	CL 753	CL 754	CL 755	CL 756	CL 757	CL 758	CL 759	CL 760	CL 761	CL 762	CL 763	CL 764	CL 765	CL 766	CL 767	CL 768	CL 769	CL 770	CL 771	CL 772	CL 773	CL 774	CL 775	CL 776	CL 777	CL 778	CL 779	CL 780	CL 781	CL 782	CL 783	CL 784	CL 785	CL 786	CL 787	CL 788	CL 789	CL 790	CL 791	CL 792	CL 793	CL 794	CL 795	CL 796	CL 797	CL 798	CL 799	CL 800	CL 801	CL 802	CL 803	CL 804	CL 805	CL 806	CL 807	CL 808	CL 809	CL 810	CL 811	CL 812	CL 813	CL 814	CL 815	CL 816	CL 817	CL 818	CL 819	CL 820	CL 821	CL 822	CL 823	CL 824	CL 825	CL 826	CL 827	CL 828	CL 829	CL 830	CL 831	CL 832	CL 833	CL 834	CL 835	CL 836	CL 837	CL 838	CL 839	CL 840	CL 841	CL 842	CL 843	CL 844	CL 845	CL 846	CL 847	CL 848	CL 849	CL 850	CL 851	CL 852	CL 853	CL 854	CL 855	CL 856	CL 857	CL 858	CL 859	CL 860	CL 861	CL 862	CL 863	CL 864	CL 865	CL 866	CL 867	CL 868	CL 869	CL 870	CL 871	CL 872	CL 873	CL 874	CL 875	CL 876	CL 877	CL 878	CL 879	CL 880	CL 881	CL 882	CL 883	CL 884	CL 885	CL 886	CL 887	CL 888	CL 889	CL 890	CL 891	CL 892	CL 893	CL 894	CL 895	CL 896	CL 897	CL 898	CL 899	CL 900	CL 901	CL 902	CL 903	CL 904	CL 905	CL 906	CL 907	CL 908	CL 909	CL 910	CL 911	CL 912	CL 913	CL 914	CL 915	CL 916	CL 917	CL 918	CL 919	CL 920	CL 921	CL 922	CL 923	CL 924	CL 925	CL 926	CL 927	CL 928	CL 929	CL 930	CL 931	CL 932	CL 933	CL 934	CL 935	CL 936	CL 937	CL 938	CL 939	CL 940	CL 941	CL 942	CL 943	CL 944	CL 945	CL 946	CL 947	CL 948	CL 949	CL 950	CL 951	CL 952	CL 953	CL 954	CL 955	CL 956	CL 957	CL 958	CL 959	CL 960	CL 961	CL 962	CL 963	CL 964	CL 965	CL 966	CL 967	CL 968	CL 969	CL 970	CL 971	CL 972	CL 973	CL 974	CL 975	CL 976	CL 977	CL 978	CL 979	CL 980	CL 981	CL 982	CL 983	CL 984	CL 985	CL 986	CL 987	CL 988	CL 989	CL 990	CL 991	CL 992	CL 993	CL 994	CL 995	CL 996	CL 997	CL 998	CL 999	CL 1000	CL 1001	CL 1002	CL 1003	CL 1004	CL 1005	CL 1006	CL 1007	CL 1008	CL 1009	CL 1010	CL 1011	CL 1012	CL 1013	CL 1014	CL 1015	CL 1016	CL 1017	CL 1018	CL 1019	CL 1020	CL 1021	CL 1022	CL 1023	CL 1024	CL 1025	CL 1026	CL 1027	CL 1028	CL 1029	CL 1030	CL 1031	CL 1032	CL 1033	CL 1034	CL 1035	CL 1036	CL 1037	CL 1038	CL 1039	CL 1040	CL 1041	CL 1042	CL 1043	CL 1044	CL 1045	CL 1046	CL 1047	CL 1048	CL 1049	CL 1050	CL 1051	CL 1052	CL 1053	CL 1054	CL 1055	CL 1056	CL 1057	CL 1058	CL 1059	CL 1060	CL 1061	CL 1062	CL 1063	CL 1064	CL 1065	CL 1066	CL 1067	CL 1068	CL 1069	CL 1070	CL 1071	CL 1072	CL 1073	CL 1074	CL 1075	CL 1076	CL 1077	CL 1078	CL 1079	CL 1080	CL 1081	CL 1082	CL 1083	CL 1084	CL 1085	CL 1086	CL 1087	CL 1088	CL 1089	CL 1090	CL 1091	CL 1092	CL 1093	CL 1094	CL 1095	CL 1096	CL 1097	CL 1098	CL 1099	CL 1100	CL 1101	CL 1102	CL 1103	CL 1104	CL 1105	CL 1106	CL 1107	CL 1108	CL 1109	CL 1110	CL 1111	CL 1112	CL 1113	CL 1114	CL 1115	CL 1116	CL 1117	CL 1118	CL 1119	CL 1120	CL 1121	CL 1122	CL 1123	CL 1124	CL 1125	CL 1126	CL 1127	CL 1128	CL 1129	CL 1130	CL 1131	CL 1132	CL 1133	CL 1134	CL 1135	CL 1136	CL 1137	CL 1138	CL 1139	CL 1140	CL 1141	CL 1142	CL 1143	CL 1144	CL 1145	CL 1146	CL 1147	CL 1148	CL 1149	CL 1150	CL 1151	CL 1152	CL 1153	CL 1154	CL 1155	CL 1156	CL 1157	CL 1158	CL 1159	CL 1160	CL 1161	CL 1162	CL 1163	CL 1164	CL 1165	CL 1166	CL 1167	CL 1168	CL 1169	CL 1170	CL 1171	CL 1172	CL 1173	CL 1174	CL 1175	CL 1176	CL 1177	CL 1178	CL 1179	CL 1180	CL 1181	CL 1182	CL 1183	CL 1184	CL 1185	CL 1186	CL 1187	CL 1188	CL 1189	CL 1190	CL 1191	CL 1192	CL 1193	CL 1194	CL 1195	CL 1196	CL 1197	CL 1198	CL 1199	CL 1200	CL 1201	CL 1202	CL 1203	CL 1204	CL 1205	CL 1206	CL 1207	CL 1208	CL 1209	CL 1210	CL 1211	CL 1212	CL 1213	CL 1214	CL 1215	CL 1216	CL 1217	CL 1218	CL 1219	CL 1220	CL 1221	CL 1222	CL 1223
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PROPULSIVE MINE FORCE DATA

PT	Q	SUMMARY										RUM 415				CSF 15			
		ALPHA	BETA	NET MO	NET MO	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15	CL 15
2	5.28	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
3	10.48	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
4	21.15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

PROPULSIVE MINE FORCE DATA

PT	Q	SUMMARY										RUM 416				CSF 16			
		ALPHA	BETA	NET MO	NET MO	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16	CL 16
1	20.92	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	20.92	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	20.92	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
4	20.92	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5	20.92	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6	20.92	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
7	21.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
8	21.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	21.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10	20.92	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	21.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

PROPELISIVE MING FORCE DATA										PROPELISIVE MING FORCE DATA									
SUMMARY					SUMMARY					SUMMARY					SUMMARY				
PT	ALPHA BETA	REV NO HEIGHT	CLIS CNFIB CMUC	CPMIS CPMIB CMU1	CYRIS CYRIB CYR1R	CSFIS CSFIB CSF1R	PT	ALPHA BETA	REV NO HEIGHT	CLIS CNFIB CMUC	CPMIS CPMIB CMU1	CYRIS CYRIB CYR1R	CSFIS CSFIB CSF1R						
1	10.00	0.57E+08	0.10	-0.28	0.08	0.00	-0.01	5.17	0.40E+08	0.14	-0.38	0.11	0.00						
	0.01	57.00	0.30	0.60	0.30	0.05	-0.01	0.00	57.00	0.82	0.00	0.11	0.00						
2	10.50	0.57E+08	0.12	-0.28	0.08	0.00	0.00	5.28	0.40E+08	0.13	-0.38	0.11	0.00						
	0.00	60.00	0.40	0.60	0.40	0.05	-0.01	0.00	60.00	0.80	0.00	0.11	0.00						
3	10.58	0.57E+08	0.11	-0.28	0.08	0.00	0.00	5.28	0.40E+08	0.13	-0.38	0.10	0.00						
	0.01	83.51	0.40	0.60	0.40	0.05	-0.01	0.00	83.00	0.81	0.00	0.10	0.00						
4	10.58	0.57E+08	0.10	-0.28	0.08	0.00	-0.01	5.28	0.40E+08	0.18	-0.38	0.10	0.00						
	0.00	88.01	0.40	0.60	0.40	0.05	-0.01	0.00	88.00	0.80	0.00	0.10	0.00						
5	10.58	0.57E+08	0.10	-0.28	0.08	0.00	-0.01	5.28	0.40E+08	0.14	-0.37	0.10	0.00						
	0.00	89.01	0.40	0.60	0.40	0.05	-0.01	0.00	89.01	0.80	0.00	0.10	0.00						
6	10.58	0.57E+08	0.10	-0.28	0.08	0.00	-0.02	5.28	0.40E+08	0.12	-0.38	0.10	0.00						
	0.00	72.00	0.40	0.60	0.40	0.05	-0.02	0.00	72.00	0.80	0.00	0.10	0.00						
7	10.58	0.57E+08	0.11	-0.28	0.08	0.00	-0.01	5.28	0.40E+08	0.13	-0.38	0.11	0.00						
	0.00	73.00	0.40	0.60	0.40	0.05	-0.01	0.00	73.00	0.80	0.00	0.11	0.00						
8	10.58	0.58E+08	0.10	-0.28	0.07	0.00	-0.01	5.28	0.40E+08	0.11	-0.38	0.10	0.00						
	0.00	78.02	0.40	0.60	0.40	0.05	-0.01	0.00	78.00	0.80	0.00	0.10	0.00						
9	10.48	0.58E+08	0.11	-0.28	0.07	0.00	-0.01	5.28	0.40E+08	0.12	-0.38	0.11	0.00						
	0.00	81.00	0.41	0.60	0.41	0.05	-0.01	0.00	81.00	0.80	0.00	0.11	0.00						
10	10.48	0.58E+08	0.10	-0.28	0.08	0.00	-0.01	5.28	0.40E+08	0.11	-0.38	0.10	0.00						
	0.00	84.01	0.41	0.60	0.41	0.05	-0.01	0.00	84.00	0.80	0.00	0.10	0.00						
11	10.48	0.58E+08	0.11	-0.28	0.08	0.00	-0.01	5.28	0.40E+08	0.12	-0.38	0.10	0.00						
	0.00	87.00	0.41	0.60	0.41	0.05	-0.01	0.00	87.01	0.80	0.00	0.10	0.00						

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 410

PT	Q	ALPHA	BETA	REV NO	CLIS	CHFB	CHUC	CHUN	CPHIS	CPHIB	CPHIC	CLTR	CYHIS	CYHIB	CYHIC	CSFIS	CSFIB	CSFIC
2	5.29	0.01	0.40E+06	30.10	0.08	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.02	0.01	0.02	0.03	0.03	0.03
	0.00	0.00	30.10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.13	0.02	0.02	0.03	0.03	0.03
3	10.45	0.02	0.56E+06	30.10	0.05	0.01	0.04	0.01	0.04	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	0.00	0.00	30.10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.07	0.01	0.01	0.01	0.01	0.01
4	20.82	0.06	0.70E+06	30.10	0.05	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	30.10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02

PROPULSIVE WING FORCE DATA

SUMMARY. RUN 420

PT	Q	ALPHA	BETA	REV NO	CLIS	CHFB	CHUC	CHUN	CPHIS	CPHIB	CPHIC	CLTR	CYHIS	CYHIB	CYHIC	CSFIS	CSFIB	CSFIC
1	21.15	0.04	0.70E+06	57.00	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	57.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
2	21.15	0.04	0.70E+06	60.00	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	60.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
3	21.15	0.04	0.70E+06	63.00	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	63.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
4	21.15	0.04	0.70E+06	65.00	0.05	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.02	0.02	0.02
	0.00	0.00	65.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
5	21.15	0.04	0.70E+06	68.00	0.05	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	68.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.04	0.00	0.00	0.02	0.02	0.02
6	21.15	0.04	0.70E+06	72.01	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	72.01		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
7	21.04	0.03	0.70E+06	75.00	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	75.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
8	21.15	0.03	0.70E+06	78.01	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	78.01		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
9	21.15	0.02	0.70E+06	81.00	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	81.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
10	21.15	0.02	0.70E+06	84.00	0.04	0.01	0.04	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	84.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.02	0.02	0.02
11	21.04	0.02	0.70E+06	87.02	0.03	0.01	0.03	0.01	0.03	0.01	0.03	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	0.00	0.00	87.02		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01

PROPELLSIVE MING FORCE DATA										PROPELLSIVE MING FORCE DATA										
SUMMARY					SUMMARY					SUMMARY					SUMMARY					
PT	Q	ALPHA	REV NO	CLIS	CPHIS	CSFIS	PT	Q	ALPHA	REV NO	CLIS	CPHIS	CSFIS	PT	Q	ALPHA	REV NO	CLIS	CPHIS	CSFIS
		BETA	HEIGHT	CHIFB	CHIB	CHIB			BETA	HEIGHT	CHIFB	CHIB	CHIB			BETA	HEIGHT	CHIFB	CHIB	CHIB
1	10.50	0.00	0.50E+00	0.15	-0.20	0.00	1	10.50	0.00	0.50E+00	0.15	-0.20	0.00	1	10.50	0.00	0.50E+00	0.15	-0.20	0.00
			57.02	0.40	0.00	0.00				57.02	0.40	0.00	0.00				57.02	0.40	0.00	0.00
2	10.48	0.00	0.50E+00	0.15	-0.20	0.00	2	10.48	0.00	0.50E+00	0.15	-0.20	0.00	2	10.48	0.00	0.50E+00	0.15	-0.20	0.00
			58.01	0.40	0.00	0.00				58.01	0.40	0.00	0.00				58.01	0.40	0.00	0.00
3	10.35	0.00	0.50E+00	0.13	-0.20	0.00	3	10.35	0.00	0.50E+00	0.13	-0.20	0.00	3	10.35	0.00	0.50E+00	0.13	-0.20	0.00
			53.00	0.40	0.00	0.00				53.00	0.40	0.00	0.00				53.00	0.40	0.00	0.00
4	10.48	0.00	0.50E+00	0.14	-0.20	0.00	4	10.48	0.00	0.50E+00	0.14	-0.20	0.00	4	10.48	0.00	0.50E+00	0.14	-0.20	0.00
			58.01	0.40	0.00	0.00				58.01	0.40	0.00	0.00				58.01	0.40	0.00	0.00
5	10.48	0.00	0.50E+00	0.14	-0.20	0.00	5	10.48	0.00	0.50E+00	0.14	-0.20	0.00	5	10.48	0.00	0.50E+00	0.14	-0.20	0.00
			58.01	0.40	0.00	0.00				58.01	0.40	0.00	0.00				58.01	0.40	0.00	0.00
6	10.48	0.00	0.50E+00	0.13	-0.20	0.00	6	10.48	0.00	0.50E+00	0.13	-0.20	0.00	6	10.48	0.00	0.50E+00	0.13	-0.20	0.00
			72.01	0.40	0.00	0.00				72.01	0.40	0.00	0.00				72.01	0.40	0.00	0.00
7	10.48	0.00	0.50E+00	0.13	-0.20	0.00	7	10.48	0.00	0.50E+00	0.13	-0.20	0.00	7	10.48	0.00	0.50E+00	0.13	-0.20	0.00
			75.00	0.40	0.00	0.00				75.00	0.40	0.00	0.00				75.00	0.40	0.00	0.00
8	10.48	0.00	0.50E+00	0.14	-0.20	0.00	8	10.48	0.00	0.50E+00	0.14	-0.20	0.00	8	10.48	0.00	0.50E+00	0.14	-0.20	0.00
			78.01	0.40	0.00	0.00				78.01	0.40	0.00	0.00				78.01	0.40	0.00	0.00
9	10.48	0.00	0.50E+00	0.13	-0.20	0.00	9	10.48	0.00	0.50E+00	0.13	-0.20	0.00	9	10.48	0.00	0.50E+00	0.13	-0.20	0.00
			81.00	0.40	0.00	0.00				81.00	0.40	0.00	0.00				81.00	0.40	0.00	0.00
10	10.48	0.00	0.50E+00	0.13	-0.20	0.00	10	10.48	0.00	0.50E+00	0.13	-0.20	0.00	10	10.48	0.00	0.50E+00	0.13	-0.20	0.00
			84.01	0.40	0.00	0.00				84.01	0.40	0.00	0.00				84.01	0.40	0.00	0.00
11	10.50	0.00	0.50E+00	0.12	-0.20	0.00	11	10.50	0.00	0.50E+00	0.12	-0.20	0.00	11	10.50	0.00	0.50E+00	0.12	-0.20	0.00
			87.00	0.40	0.00	0.00				87.00	0.40	0.00	0.00				87.00	0.40	0.00	0.00

PROGRESSIVE WIND FORCE DATA

SUMMARY. RUN 433

PT	ALPHA BETA	Q	REV MO RETURN	CLIS CNT 10 CHUC	CBIS CAF 10 CHUN	CPHIS CPHIS CHUT	CMHIS CMHIS CLTA	CTHIS CTHIS CTHIS	CSFIS CSFIS CHIR
2	5.20 -0.01	0.38E+00 36.00	0.04 0.04 0.00	0.01 0.01 0.00	0.04 0.04 0.00	0.04 0.00 0.27	0.00 0.00 0.12	0.00 0.00 -0.02	
3	10.50 0.01 0.00	0.95E+00 36.00	0.02 0.02 0.00	0.01 0.01 0.00	0.04 0.04 0.00	0.00 0.00 0.15	0.00 0.00 0.07	-0.01 -0.01 0.01	
4	21.04 0.04 0.00	0.78E+00 36.00	0.04 0.04 0.00	0.01 0.01 0.00	0.04 0.04 0.00	0.00 0.00 0.10	0.00 0.00 0.04	0.00 0.00 0.03	

PROPOSITIVE MINING FORCE DATA

SUMMARY, RUN 424

PT	Q	ALPHA	REV	NO	CLIS	CBIS	CPHIS	CMHIS	CTHIS	CSHIS
		BETA	HEIGHT		CMVC	CAHIB	CMHIB	CMHIB	CTHIB	CSHIB
1	20.82	0.03	0.77E+08	0.04	0.01	0.01	0.04	0.00	-0.01	0.00
	0.00	0.00	57.51	0.04	0.01	0.01	0.04	0.00	-0.01	0.00
2	20.82	0.03	0.77E+08	0.04	0.01	0.01	0.04	0.00	-0.01	0.00
	0.00	0.00	58.51	0.04	0.01	0.01	0.04	0.10	0.04	0.02
3	20.82	0.03	0.77E+08	0.03	0.01	0.01	0.04	0.00	-0.01	0.00
	0.00	0.00	53.51	0.03	0.01	0.01	0.04	0.00	-0.01	0.00
4	20.82	0.03	0.77E+08	0.03	0.01	0.01	0.04	0.00	-0.01	0.00
	0.00	0.00	58.00	0.03	0.01	0.01	0.04	0.00	-0.01	0.00
5	20.82	0.03	0.77E+08	0.04	0.01	0.01	0.04	0.00	-0.01	0.00
	0.00	0.00	59.00	0.04	0.01	0.01	0.04	0.00	-0.01	0.00
6	20.82	0.03	0.77E+08	0.03	0.01	0.01	0.04	0.00	0.00	0.00
	0.00	0.00	73.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02
7	20.82	0.02	0.77E+08	0.03	0.01	0.01	0.04	0.00	0.00	0.00
	0.00	0.00	74.01	0.00	0.00	0.00	0.04	0.00	0.04	0.02
8	20.82	0.02	0.77E+08	0.04	0.01	0.01	0.04	0.00	0.00	0.00
	0.00	0.00	78.00	0.00	0.00	0.00	0.00	0.10	0.04	0.02
9	21.04	0.02	0.77E+08	0.03	0.01	0.01	0.04	0.00	0.00	0.00
	0.00	0.00	81.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	21.04	0.01	0.77E+08	0.03	0.01	0.01	0.04	0.00	0.00	0.00
	0.00	0.00	84.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02
11	21.15	0.01	0.78E+08	0.03	0.01	0.01	0.04	0.00	0.00	0.00
	0.00	0.00	87.01	0.00	0.00	0.00	0.00	0.00	0.04	0.02

PROPULSIVE WING FORCE DATA

PT	Q	ALPHA	BETA	REV NO	HEIGHT	SUMMARY					RUN 427					CSFIS				
						CLIS	CAFIB	CMIB	CMIB	CMIB	CLTR	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB
2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
3	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
4	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

PROPULSIVE WING FORCE DATA

PT	Q	ALPHA	BETA	REV NO	HEIGHT	SUMMARY					RUN 428					CSFIS				
						CLIS	CAFIB	CMIB	CMIB	CMIB	CLTR	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB	CMIB
1	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
3	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
4	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
5	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
6	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
7	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
8	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
9	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
10	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
11	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

PROPELLSIVE WING FORCE DATA										SUMMARY.										PROPELLSIVE WING FORCE DATA									
PI					SUMMARY.					RUN 429					SUMMARY.					RUN 430									
PI	ALPHA BETA	REV NO HEIGHT	CLIS CRIB CRIC	CMRIS CMIB CMIV	CMRIS CMIB CLIN	CSFIS CSFIB CSFIN	CMRIS CMIB CLIN	CMRIS CMIB CMIV	CMRIS CMIB CMIV	CSFIS CSFIB CSFIN	PI	ALPHA BETA	REV NO HEIGHT	CLIS CRIB CRIC	CMRIS CMIB CMIV	CMRIS CMIB CLIN	CSFIS CSFIB CSFIN	CMRIS CMIB CLIN	CMRIS CMIB CMIV	CMRIS CMIB CMIV	CSFIS CSFIB CSFIN								
1	10.69	0.00	0.14	-0.28	0.07	0.01	0.00	0.00	0.00	0.00	1	5.29	0.35E+06	0.23	-0.54	0.00	-0.02	0.00	0.00	0.00	0.03								
	0.00	0.55E+06	0.14	-0.28	0.07	0.01	0.00	0.00	0.00	0.00		-0.02	0.35E+06	0.23	-0.54	0.00	-0.02	0.00	0.00	0.00	0.03								
	0.00	57.01	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	57.07	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.03								
2	10.58	0.00	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	2	5.29	0.35E+06	0.23	-0.54	0.00	-0.01	0.00	0.00	0.00	0.02								
	0.00	0.55E+06	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		-0.03	0.35E+06	0.23	-0.54	0.00	-0.01	0.00	0.00	0.00	0.02								
	0.00	60.00	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	60.01	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								
3	10.58	0.00	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	3	5.29	0.35E+06	0.23	-0.54	0.10	-0.01	0.00	0.00	0.00	0.02								
	0.00	0.55E+06	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		-0.03	0.35E+06	0.23	-0.54	0.10	-0.01	0.00	0.00	0.00	0.02								
	0.00	63.02	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	63.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								
4	10.48	0.00	0.13	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	4	5.29	0.35E+06	0.22	-0.54	0.00	-0.01	0.00	0.00	0.00	0.00								
	0.00	0.55E+06	0.13	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		-0.03	0.35E+06	0.22	-0.54	0.00	-0.01	0.00	0.00	0.00	0.00								
	0.00	65.03	0.41	0.00	0.41	0.01	0.00	0.00	0.00	0.00		0.00	65.01	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
5	10.58	0.00	0.14	-0.26	0.08	0.01	0.00	0.00	0.00	0.00	5	5.29	0.35E+06	0.18	-0.54	0.00	-0.01	0.00	0.00	0.00	0.02								
	0.00	0.55E+06	0.14	-0.26	0.08	0.01	0.00	0.00	0.00	0.00		-0.03	0.35E+06	0.18	-0.54	0.00	-0.01	0.00	0.00	0.00	0.02								
	0.00	69.02	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	69.01	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								
6	10.58	0.00	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	6	5.29	0.35E+06	0.21	-0.54	0.10	-0.01	0.00	0.00	0.00	0.03								
	0.00	0.55E+06	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		-0.03	0.35E+06	0.21	-0.54	0.10	-0.01	0.00	0.00	0.00	0.03								
	0.00	72.03	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	72.01	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								
7	10.58	0.00	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	7	5.29	0.35E+06	0.22	-0.54	0.00	-0.01	0.00	0.00	0.00	0.02								
	-0.01	0.55E+06	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		-0.03	0.35E+06	0.22	-0.54	0.00	-0.01	0.00	0.00	0.00	0.02								
	0.00	75.02	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	75.01	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								
8	10.58	0.00	0.14	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	8	5.29	0.35E+06	0.20	-0.54	0.10	-0.01	0.00	0.00	0.00	0.02								
	-0.01	0.55E+06	0.14	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		-0.04	0.35E+06	0.20	-0.54	0.10	-0.01	0.00	0.00	0.00	0.02								
	0.00	78.01	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	78.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								
9	10.58	0.00	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	9	5.17	0.35E+06	0.20	-0.81	0.00	-0.01	0.00	0.00	0.00	0.03								
	-0.01	0.55E+06	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		0.01	0.35E+06	0.20	-0.81	0.00	-0.01	0.00	0.00	0.00	0.03								
	0.00	81.06	0.40	0.00	0.40	0.01	0.00	0.00	0.00	0.00		0.00	81.02	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.07								
10	10.48	0.00	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	10	5.29	0.35E+06	0.22	-0.80	0.00	-0.01	0.00	0.00	0.00	0.02								
	-0.02	0.55E+06	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		0.00	0.35E+06	0.22	-0.80	0.00	-0.01	0.00	0.00	0.00	0.02								
	0.00	84.05	0.41	0.00	0.41	0.01	0.00	0.00	0.00	0.00		0.00	84.11	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								
11	10.46	0.00	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00	11	5.29	0.35E+06	0.21	-0.54	0.00	-0.01	0.00	0.00	0.00	0.04								
	-0.02	0.55E+06	0.15	-0.26	0.07	0.01	0.00	0.00	0.00	0.00		0.00	0.35E+06	0.21	-0.54	0.00	-0.01	0.00	0.00	0.00	0.04								
	0.00	87.00	0.41	0.00	0.41	0.01	0.00	0.00	0.00	0.00		0.00	87.01	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.02								

PROPULSIVE WIND FORCE DATA

SUMMARY, RUN 431

PT	B ALPHA BETA	REY NO WEIGHT	CLIS CLF IB CMUC	CDIS CAF IB CMAN	CMRIS CMRIB CMRT	CMRIS CMRIB CLTE	CMRIS CMRIB CMRE	CSF IB CMRE
2	5.28 0.00 0.00	0.30E+08 35.08	0.02 0.02 0.00	0.02 0.02 0.00	0.04 0.04 0.00	0.00 0.00 0.25	-0.01 -0.01 0.13	0.01 0.01 -0.02
3	10.35 0.01 0.00	0.55E+08 35.08	0.03 0.03 0.00	0.01 0.01 0.00	0.04 0.04 0.00	0.00 0.00 0.15	-0.01 -0.01 0.07	0.00 0.01 0.01
4	21.04 0.04 0.00	0.77E+08 35.08	0.04 0.04 0.00	0.01 0.01 0.00	0.04 0.04 0.00	0.00 0.00 0.10	0.00 0.00 0.04	0.00 0.00 0.02

PROPULSIVE WIND FORCE DATA

SUMMARY. 0000 432

PPT	Q	ALPHA	REV NO	CL15	CD15	CDM15	CDT15	CS115	CS115	CS115
		BETA	HEIGHT	CONF	CAF	CLTR	CONF	CONF	CONF	CONF
1	21.27	0.64	0.78E+08	0.04	0.01	0.04	0.00	-0.01	0.01	0.02
	0.64		57.95	0.00	0.00	0.00	0.00	-0.01	0.01	0.02
2	21.04	0.01	0.78E+08	0.04	0.01	0.04	0.00	-0.01	0.01	0.01
	0.00	0.00	58.92	0.00	0.00	0.00	0.10	-0.01	0.01	0.02
3	21.15	0.01	0.78E+08	0.04	0.01	0.04	0.00	-0.01	0.01	0.01
	0.01		58.00	0.04	0.01	0.04	0.00	-0.01	0.01	0.02
4	21.04	0.01	0.78E+08	0.04	0.01	0.04	0.00	-0.01	0.01	0.01
	0.01		58.01	0.00	0.00	0.00	0.10	-0.01	0.01	0.02
5	21.04	0.01	0.78E+08	0.03	0.01	0.04	0.00	-0.01	0.01	0.01
	0.01		58.38	0.03	0.01	0.04	0.00	-0.01	0.01	0.02
	0.00			0.00	0.00	0.00	0.00	0.04	0.04	0.02
6	21.15	0.01	0.78E+08	0.04	0.01	0.04	0.00	0.00	0.00	0.00
	0.00		72.00	0.00	0.00	0.00	0.10	0.04	0.04	0.02
7	21.04	0.01	0.78E+08	0.03	0.01	0.04	0.00	0.00	0.00	0.01
	0.00		75.03	0.00	0.00	0.00	0.00	0.04	0.04	0.02
8	21.15	0.01	0.78E+08	0.04	0.01	0.04	0.00	0.00	0.00	0.01
	0.00		78.10	0.00	0.00	0.00	0.10	0.04	0.04	0.02
9	20.92	-0.01	0.77E+08	0.04	0.01	0.04	0.00	0.00	0.00	0.00
	0.00		81.02	0.00	0.00	0.00	0.10	0.04	0.04	0.02
10	21.04	-0.01	0.78E+08	0.03	0.01	0.03	0.00	0.00	0.00	0.00
	0.00		84.08	0.00	0.00	0.00	0.00	0.04	0.04	0.02
11	21.04	-0.01	0.78E+08	0.04	0.01	0.03	0.00	0.00	0.00	0.01
	0.00		87.01	0.00	0.01	0.03	0.00	0.04	0.04	0.02

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 433

PT	ALPHA BETA	REV NO HEIGHT	CLIS CMT18 CMT19	CMRIS CMT18 CMT19	CMRIS CMT18 CMT19	CSFIS CSF18 CSF19
1	10.58 0.02 0.00	0.58E+06 57.04	0.13 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.00 0.00 0.07
2	10.58 0.02 0.00	0.58E+06 60.00	0.12 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.00 0.00 0.07
3	10.58 0.02 0.00	0.58E+06 63.01	0.14 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.00 0.00 0.07
4	10.58 0.02 0.00	0.58E+06 65.01	0.13 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.01 0.01 0.07
5	10.58 0.02 0.00	0.58E+06 68.03	0.13 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.02 0.02 0.07
6	10.58 0.02 0.00	0.58E+06 72.03	0.13 -0.30 0.41	0.08 0.00 0.41	0.00 -0.01 0.01	0.00 0.00 0.07
7	10.58 0.02 0.00	0.58E+06 75.00	0.13 -0.30 0.41	0.08 0.00 0.41	0.00 -0.01 0.01	0.00 0.00 0.07
8	10.58 0.02 0.00	0.58E+06 78.00	0.14 -0.30 0.41	0.08 0.00 0.41	0.00 -0.01 0.01	0.00 0.00 0.07
9	10.58 0.02 0.00	0.58E+06 81.03	0.13 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.00 0.00 0.07
10	10.58 0.02 0.00	0.58E+06 84.00	0.12 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.01 0.01 0.07
11	10.58 0.02 0.00	0.58E+06 87.00	0.12 -0.28 0.40	0.08 0.00 0.40	0.00 -0.01 0.01	0.01 0.01 0.07

PROPELLSIVE MING FORCE DATA

SUMMARY, RUN 434

PT	ALPHA BETA	REV NO HEIGHT	CLIS CMT18 CMT19	CMRIS CMT18 CMT19	CMRIS CMT18 CMT19	CSFIS CSF18 CSF19
1	5.28 0.00 0.00	0.38E+06 57.02	0.18 -0.00 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.00 0.01 0.00
2	5.17 0.00 0.00	0.38E+06 60.01	0.18 -0.00 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.00 0.01 0.00
3	5.10 0.00 0.00	0.40E+06 63.04	0.18 -0.00 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.02 0.01 0.00
4	5.28 0.00 0.00	0.38E+06 66.01	0.18 -0.00 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.02 0.01 0.00
5	5.28 -0.01 0.00	0.38E+06 69.01	0.18 -0.01 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.01 0.01 0.00
6	5.28 -0.01 0.00	0.38E+06 72.01	0.18 -0.01 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.02 0.01 0.00
7	5.28 -0.01 0.00	0.38E+06 75.00	0.18 -0.01 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.01 0.01 0.00
8	5.28 -0.01 0.00	0.38E+06 78.00	0.18 -0.01 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.01 0.01 0.00
9	5.28 -0.02 0.00	0.38E+06 81.04	0.18 -0.01 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.00 0.01 0.00
10	5.28 -0.02 0.00	0.38E+06 84.03	0.18 -0.01 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.01 0.01 0.00
11	5.28 -0.02 0.00	0.38E+06 87.02	0.18 -0.01 0.81	0.10 0.00 0.81	0.00 0.00 0.00	0.01 0.01 0.00

PROPELLSIVE MING FORCE DATA

SUMMARY

RUN 436

PT	ALPHA BETA	REY HO HEIGHT	CLIS CHIFB CHUC	CPIS CAFIB CHUM	CMIS CMIB CMIT	CTNIS CTNIB CTNIR	CSFIS CSFIB CSFIR
2	0.00	0.30E+08	-1.14	-0.14	-3.48	0.44	4.37
	-0.05	40.00	-1.14	-0.14	-3.48	0.45	4.37
	0.00	40.00	0.00	0.00	0.00	14.20	7.32
3	0.00	0.30E+08	-0.03	-0.03	-1.50	-24.30	483.50
	-0.05	40.00	-0.03	-0.03	-1.50	-23.87	483.50
	0.00	40.00	0.00	0.00	0.00	15.30	7.04
4	0.00	0.30E+08	-0.15	3.23	-10.27	-0.11	887.40
	-0.05	40.00	-0.15	3.23	-10.27	-0.11	887.40
	0.00	40.00	0.00	0.00	0.00	15.18	11.18
5	0.00	0.30E+08	-0.50	3.23	-1.28	-71.78	1488.00
	-0.05	40.00	-0.50	3.23	-1.28	-70.50	1488.00
	0.00	40.00	0.00	0.00	0.00	14.84	11.38
6	0.00	0.30E+08	2.18	4.05	-8.15	-82.28	2003.00
	-0.05	40.00	2.17	4.05	-8.15	-80.88	2003.00
	0.00	40.00	0.00	0.00	0.00	17.51	11.50
7	0.00	0.30E+08	-0.28	4.48	14.50	-111.50	2084.00
	-0.04	40.00	-0.28	4.48	14.50	-108.80	2084.00
	0.00	40.00	0.00	0.00	0.00	15.05	11.94
8	0.00	0.30E+08	-1.58	5.33	7.48	-85.26	1488.00
	-0.05	40.00	-1.58	5.33	7.48	-84.07	1488.00
	0.00	40.00	0.00	0.00	0.00	13.74	12.78
9	0.00	0.30E+08	-1.24	5.99	-3.78	-18.48	514.30
	-0.05	40.00	-1.25	5.99	-3.78	-18.04	514.30
	0.00	40.00	0.00	0.00	0.00	14.08	13.45
10	0.00	0.30E+08	-0.54	7.34	-10.72	7.70	5.81
	-0.05	40.00	-0.54	7.34	-10.72	7.70	5.81
	0.00	40.00	0.00	0.00	0.00	14.00	14.70

PROPELLSIVE MING FORCE DATA

SUMMARY

RUN 435

PT	ALPHA BETA	REY HO HEIGHT	CLIS CHIFB CHUC	CPIS CAFIB CHUM	CMIS CMIB CMIT	CTNIS CTNIB CTNIR	CSFIS CSFIB CSFIR
2	0.00	0.30E+08	-5.78	0.88	481.30	3.50	8.87
	0.00	40.00	-5.78	0.88	481.30	3.50	8.87
	0.00	40.00	0.00	0.00	0.00	5.57	8.15
3	0.00	0.30E+08	-18.18	0.70	948.20	8.34	-5.04
	0.04	40.00	-18.18	0.71	948.20	8.34	-5.04
	0.00	40.00	0.00	0.00	-2.83	8.18	943.30
4	0.00	0.30E+08	-28.80	0.88	1423.00	7.58	-3.56
	0.07	40.00	-28.80	0.88	1423.00	7.58	-3.56
	0.00	40.00	0.00	0.00	-13.58	8.47	1418.00
5	0.00	0.30E+08	-37.83	0.94	1817.00	9.22	-0.15
	0.11	40.00	-37.83	0.94	1817.00	9.22	-0.15
	0.00	40.00	0.00	0.00	-22.52	8.44	1913.00
6	0.00	0.30E+08	-48.78	1.77	2382.00	14.83	-10.04
	0.18	40.00	-48.78	1.81	2382.00	14.85	-9.88
	0.00	40.00	0.00	0.00	-33.45	9.28	2388.00
7	0.00	0.30E+08	-27.28	0.83	1422.00	10.17	-14.40
	0.08	40.00	-27.28	0.87	1422.00	10.18	-14.38
	0.00	40.00	0.00	0.00	-11.87	8.42	1418.00
8	0.00	0.30E+08	-10.21	0.83	488.00	3.77	-12.51
	0.08	40.00	-10.21	0.83	488.00	3.77	-12.51
	0.00	40.00	0.00	0.00	5.12	8.10	484.00
9	0.00	0.30E+08	-0.28	-0.11	-8.10	0.57	-11.33
	-0.04	40.00	-0.28	-0.11	-8.10	0.56	-11.33
	0.00	40.00	0.00	0.00	15.04	7.35	-12.08

APPENDIX B

TABULATED WING PRESSURE DATA

WING PRESSURE COEFFICIENTS

RUN 105 POINT 10 ALPHA -2.02 PSI 0.00 HEIGHT 87.10									
I/C, X	BP 2	BP 6	BP 12	BP 16	BP 22	I/C, X	BP 2	BP 6	BP 12
0.0 (UPPER)	0.010	0.375	0.334	0.180	-0.026	0.0 (UPPER)	0.820	0.550	0.518
2.5	0.733	0.187	0.214	0.248	0.338	2.5	0.721	-0.030	-0.121
5.0	0.083	0.084	0.098	0.134	0.165	5.0	-0.067	-0.060	-0.184
10.0	-0.014	-0.008	-0.005	0.008	0.020	10.0	-0.130	-0.122	-0.184
15.0	-0.048	-0.059	-0.027	-0.031	0.003	15.0	-0.147	-0.185	-0.154
20.0	-0.072	-0.055	-0.046	-0.077	0.007	20.0	-0.177	-0.138	-0.137
25.0	-0.048	-0.062	-0.055	-0.072	-0.067	25.0	-0.127	-0.138	-0.132
30.0	-0.074	-0.085	-0.104	-0.075	-0.089	30.0	-0.082	-0.123	-0.160
35.0	-0.136	-0.139	-0.183	-0.141	-0.053	35.0	-0.175	-0.170	-0.177
40.0	-0.081	-0.338	-0.338	-0.301	-0.278	40.0	-0.067	-0.374	-0.371
45.0	-38.410	-38.268	-38.544	-38.973	-40.082	45.0	-37.513	-38.480	-37.446
50.0	-38.133	-38.141	-38.141	-37.128	-37.082	50.0	-36.251	-38.351	-37.681
55.0	-38.544	-40.552	-40.819	-37.128	-35.816	55.0	-33.097	-38.608	-38.500
60.0	-38.722	-37.136	-38.872	-38.645	-38.268	60.0	-37.578	-35.222	-38.849
65.0	-38.871	-37.596	-37.596	-37.596	-37.596	65.0	-35.023	-37.313	-38.816
70.0	-38.436	-38.343	-38.343	-38.343	-38.343	70.0	-34.558	-35.952	-38.583
75.0	-38.118	-37.730	-38.118	-38.118	-38.118	75.0	-33.113	-37.313	-38.583
80.0	-38.118	-37.730	-38.118	-38.118	-38.118	80.0	-32.661	-36.212	-38.118
85.0	-38.118	-37.730	-38.118	-38.118	-38.118	85.0	-32.210	-35.210	-37.730
90.0	-38.118	-37.730	-38.118	-38.118	-38.118	90.0	-31.758	-34.258	-37.278
95.0	-38.118	-37.730	-38.118	-38.118	-38.118	95.0	-31.306	-33.306	-36.826
100.0	-38.118	-37.730	-38.118	-38.118	-38.118	100.0	-30.854	-32.354	-36.374
2.5 (LOWER)	0.009	0.014	0.024	0.030	0.020	2.5 (LOWER)	0.016	0.028	0.038
5.0	-0.317	-0.357	-0.532	-0.518	-0.917	5.0	-0.085	-0.068	-0.051
10.0	-0.240	-0.210	-0.328	-0.374	-0.451	10.0	-0.095	-0.035	-0.032
15.0	-0.183	-0.287	-0.259	-0.287	-0.348	15.0	-0.025	-0.038	-0.038
20.0	-0.173	-0.191	-0.198	-0.235	-0.269	20.0	-0.088	-0.075	-0.080
25.0	-0.142	-0.141	-0.164	-0.181	-0.145	25.0	-0.050	-0.057	-0.073
30.0	-0.092	-0.123	-0.107	-0.127	-0.084	30.0	-0.032	-0.087	-0.064
35.0	-0.069	0.033	0.079	0.089	0.082	35.0	-0.001	0.045	0.101
40.0	0.134	0.180	0.179	0.209	0.178	40.0	0.165	0.220	0.206
45.0	0.139	0.197	1.133	0.208	0.191	45.0	0.185	0.217	0.229

WING PRESSURE COEFFICIENTS

RUN 105 POINT 20 ALPHA 0.00 PSI 0.00 HEIGHT 94.09									
I/C, X	BP 2	BP 6	BP 12	BP 16	BP 22	I/C, X	BP 2	BP 6	BP 12
0.0 (UPPER)	0.827	0.504	0.509	0.460	0.413	0.0 (UPPER)	0.831	0.488	0.330
2.5	0.727	0.092	0.066	0.068	0.141	2.5	0.716	-0.187	-0.334
5.0	0.011	0.005	-0.021	0.000	0.024	5.0	-0.152	-0.193	-0.314
10.0	-0.068	-0.059	-0.094	-0.104	-0.105	10.0	-0.185	-0.256	-0.298
15.0	-0.122	-0.089	-0.086	-0.123	-0.087	15.0	-0.262	-0.316	-0.228
20.0	-0.085	-0.097	-0.093	-0.155	-0.118	20.0	-0.225	-0.178	-0.186
25.0	-0.079	-0.100	-0.130	-0.134	-0.120	25.0	-0.187	-0.178	-0.152
30.0	-0.154	-0.151	-0.184	-0.187	-0.089	30.0	-0.098	-0.145	-0.185
35.0	-0.075	-0.353	-0.354	-0.297	-0.253	35.0	-0.192	-0.183	-0.227
40.0	-38.010	-38.806	-37.976	-37.474	-38.411	40.0	-0.097	-0.387	-0.385
45.0	-38.738	-38.839	-37.642	-35.701	-35.845	45.0	-38.845	-35.885	-36.570
50.0	-33.560	-35.047	-38.013	-35.735	-34.497	50.0	-35.487	-35.586	-36.248
55.0	-33.144	-35.735	-37.374	-38.010	-36.772	55.0	-32.444	-37.888	-37.837
60.0	-33.500	-37.809	-37.140	-38.092	-36.772	60.0	-38.744	-34.481	-38.016
65.0	-34.985	-36.370	-37.039	-37.842	-35.132	65.0	-34.197	-36.413	-35.818
70.0	-0.115	-0.158	-0.205	-0.212	-0.131	70.0	-33.888	-35.222	-35.851
75.0	-0.054	-0.068	-0.115	-0.144	-0.100	75.0	-0.118	-0.166	-0.202
80.0	-0.013	-0.042	-0.047	-0.067	-0.121	80.0	-0.065	-0.092	-0.113
85.0	0.012	0.024	0.035	0.035	0.064	85.0	-0.023	-0.040	-0.048
90.0	-0.188	-0.226	-0.256	-0.283	-0.347	90.0	0.018	0.035	0.047
95.0	-0.170	-0.170	-0.183	-0.208	-0.267	95.0	0.028	0.081	0.127
100.0	-0.155	-0.155	-0.164	-0.158	-0.225	100.0	-0.008	0.060	0.106
2.5 (LOWER)	0.012	0.024	0.035	0.035	0.064	2.5 (LOWER)	0.028	0.081	0.127
5.0	-0.170	-0.170	-0.183	-0.208	-0.267	5.0	-0.008	0.060	0.106
10.0	-0.155	-0.155	-0.164	-0.158	-0.225	10.0	-0.028	0.081	0.127
15.0	-0.170	-0.170	-0.183	-0.208	-0.267	15.0	-0.008	0.060	0.106
20.0	-0.092	-0.103	-0.081	-0.111	-0.067	20.0	-0.042	-0.017	-0.024
25.0	-0.059	0.103	-0.091	-0.109	0.110	25.0	-0.005	-0.012	-0.025
30.0	-0.003	0.042	0.091	0.109	0.110	30.0	0.001	-0.043	-0.037
35.0	0.154	0.211	0.200	0.233	0.196	35.0	0.010	0.056	0.108
40.0	0.158	0.211	1.142	0.224	0.208	40.0	0.180	0.234	0.214
45.0	0.158	0.211	1.142	0.224	0.208	45.0	0.185	0.227	0.233

WING PRESSURE COEFFICIENTS

RUN 105 POINT 23 ALPHA 5.99 PSI 0.00 HEIGHT 85.37

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	0.831	0.310	-0.080	-0.367	-0.453
2.5	0.710	-0.340	-0.588	-0.746	-0.861
5.0	-0.255	-0.328	-0.507	-0.550	-0.578
10.0	-0.276	-0.278	-0.404	-0.478	-0.530
15.0	-0.268	-0.341	-0.287	-0.415	-0.374
20.0	-0.288	-0.242	-0.241	-0.380	-0.314
25.0	-0.231	-0.217	-0.208	-0.278	-0.264
30.0	-0.154	-0.180	-0.223	-0.188	-0.170
35.0	-0.221	-0.114	-0.258	-0.220	-0.086
40.0	-0.981	-0.414	-0.410	-0.288	-0.308
45.0	-38.353	-35.345	-36.051	-35.683	-36.521
50.0	-35.144	-37.245	-35.782	-34.170	-33.934
55.0	-37.194	-37.228	-37.268	-33.968	-32.994
60.0	-36.319	-35.659	-35.614	-36.051	-35.110
65.0	-33.834	-35.883	-35.379	-34.069	-34.808
70.0	-33.585	-34.808	-35.412	-36.118	-33.733
75.0	-0.178	-0.178	-0.212	-0.217	-0.230
80.0	-0.078	-0.102	-0.124	-0.150	-0.102
85.0	-0.031	-0.046	-0.060	-0.078	-0.185
90.0	0.005	0.031	0.029	0.014	-0.065
95.0	0.129	0.203	0.257	0.278	0.348
100.0	0.062	0.133	0.216	0.217	0.217
2.5 (LOWER)	0.124	0.170	0.167	0.171	0.082
5.0	-0.007	0.030	0.021	-0.032	-0.007
10.0	0.033	0.018	0.010	0.008	-0.003
15.0	0.021	-0.048	-0.021	-0.078	-0.062
20.0	0.010	0.058	0.113	0.122	0.104
25.0	0.185	0.237	0.217	0.250	0.185
30.0	0.188	0.226	1.156	0.228	0.183

WING PRESSURE COEFFICIENTS

RUN 105 POINT 25 ALPHA 10.00 PSI 0.00 HEIGHT 85.47

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	0.841	-0.489	-1.550	-2.317	-2.860
2.5	0.707	-0.751	-1.045	-1.362	-1.730
5.0	-0.480	-0.578	-0.825	-0.954	-1.084
10.0	-0.417	-0.450	-0.645	-0.764	-0.873
15.0	-0.380	-0.403	-0.486	-0.627	-0.747
20.0	-0.460	-0.340	-0.354	-0.543	-0.483
25.0	-0.310	-0.307	-0.288	-0.378	-0.384
30.0	-0.157	-0.226	-0.278	-0.274	-0.256
35.0	-0.260	-0.244	-0.289	-0.284	-0.174
40.0	0.034	-0.435	-0.441	-0.311	-0.374
45.0	-33.500	-32.533	-32.733	-32.767	-33.133
50.0	-32.250	-32.333	-32.600	-31.217	-30.803
55.0	-28.697	-34.433	-33.833	-30.537	-30.183
60.0	-33.300	-31.187	-32.433	-32.600	-31.983
65.0	-31.110	-32.387	-32.303	-30.857	-31.743
70.0	-30.827	-31.770	-32.287	-32.800	-30.833
75.0	-0.133	-0.178	-0.218	-0.233	-0.320
80.0	-0.041	-0.088	-0.130	-0.187	-0.169
85.0	-0.037	-0.038	-0.068	-0.084	-0.251
90.0	0.010	0.036	0.025	0.005	-0.137
95.0	0.323	0.411	0.418	0.428	0.538
100.0	0.221	0.288	0.481	0.395	0.403
2.5 (LOWER)	0.270	0.365	0.281	0.343	0.236
5.0	0.052	0.141	0.125	0.089	0.081
10.0	0.125	0.110	0.101	0.097	0.055
15.0	0.087	0.006	0.034	-0.034	-0.054
20.0	0.036	0.083	0.131	0.136	0.083
25.0	0.213	0.258	0.224	0.255	0.164
30.0	0.208	0.238	1.161	0.224	0.153

RUN 105 POINT 24 ALPHA 8.02 PSI 0.00 HEIGHT 85.49

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	0.837	-0.619	-0.710	-1.228	-1.510
2.5	0.708	-0.525	-1.044	-0.951	-1.111
5.0	-0.352	-0.456	-0.836	-0.723	-0.810
10.0	-0.352	-0.352	-0.525	-0.621	-0.690
15.0	-0.340	-0.405	-0.381	-0.518	-0.427
20.0	-0.344	-0.286	-0.297	-0.485	-0.388
25.0	-0.265	-0.287	-0.327	-0.327	-0.321
30.0	-0.139	-0.200	-0.250	-0.170	-0.208
35.0	-0.240	-0.228	-0.278	-0.238	-0.130
40.0	-0.039	-0.424	-0.412	-0.303	-0.338
45.0	-35.077	-34.035	-34.508	-34.438	-34.942
50.0	-33.800	-32.901	-34.304	-32.782	-32.487
55.0	-31.062	-36.118	-35.648	-32.359	-31.654
60.0	-34.909	-32.758	-34.138	-34.405	-33.632
65.0	-32.587	-33.934	-32.547	-33.632	-33.383
70.0	-32.336	-33.431	-33.968	-34.606	-32.369
75.0	-0.128	-0.178	-0.221	-0.221	-0.273
80.0	-0.077	-0.100	-0.123	-0.155	-0.107
85.0	-0.032	-0.042	-0.059	-0.082	-0.075
90.0	0.015	0.034	0.028	0.007	-0.097
95.0	0.236	0.322	0.366	0.375	0.476
100.0	0.145	0.215	0.319	0.325	0.325
2.5 (LOWER)	0.202	0.279	0.190	0.284	0.166
5.0	0.043	0.080	0.076	0.020	0.041
10.0	0.082	0.067	0.057	0.055	0.027
15.0	0.054	-0.022	0.008	-0.053	-0.057
20.0	0.025	0.068	0.120	0.132	0.103
25.0	0.201	0.248	0.218	0.253	0.178
30.0	0.193	0.231	1.159	0.225	0.170

WING PRESSURE COEFFICIENTS

WING PRESSURE COEFFICIENTS											
WING PRESSURE COEFFICIENTS											
RUM 105 POINT 27 ALPHA 14.01 PSI	BP 2	BP 6	BP 12	BP 16	BP 22	RUM 105 POINT 28 ALPHA 17.99 PSI	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, X						X/C, X					
0.0 (UPPER)	0.840	-2.008	-4.236	-3.282	-1.348	0.0 (UPPER)	0.840	-4.553	-4.800	-2.150	-1.158
2.5	0.688	-1.152	-1.827	-2.717	-1.110	2.5	0.890	-2.003	-2.353	-1.921	-1.074
5.0	-0.687	-0.897	-1.284	-2.761	-0.993	5.0	-1.015	-1.284	-2.011	-1.871	-0.950
10.0	-0.536	-0.852	-0.951	-1.917	-0.883	10.0	-0.871	-0.937	-1.851	-1.755	-1.127
15.0	-0.538	-0.853	-0.881	-0.758	-0.812	15.0	-0.716	-0.907	-1.434	-1.850	-0.912
20.0	-0.528	-0.861	-0.515	-0.646	-0.880	20.0	-0.660	-0.844	-1.041	-1.548	-1.003
25.0	-0.408	-0.404	-0.417	-0.458	-0.954	25.0	-0.598	-0.535	-0.842	-1.148	-0.986
30.0	-0.208	-0.285	-0.357	-0.774	-0.725	30.0	-0.258	-0.355	-0.410	-0.770	-0.846
35.0	-0.319	-0.293	-0.351	-0.797	-0.531	35.0	-0.364	-0.349	-0.359	-0.478	-0.871
40.0	-0.319	-0.293	-0.351	-0.797	-0.531	40.0	-0.364	-0.349	-0.359	-0.478	-0.871
45.0	-0.319	-0.293	-0.351	-0.797	-0.531	45.0	-0.364	-0.349	-0.359	-0.478	-0.871
50.0	-0.319	-0.293	-0.351	-0.797	-0.531	50.0	-0.364	-0.349	-0.359	-0.478	-0.871
55.0	-0.319	-0.293	-0.351	-0.797	-0.531	55.0	-0.364	-0.349	-0.359	-0.478	-0.871
60.0	-0.319	-0.293	-0.351	-0.797	-0.531	60.0	-0.364	-0.349	-0.359	-0.478	-0.871
65.0	-0.319	-0.293	-0.351	-0.797	-0.531	65.0	-0.364	-0.349	-0.359	-0.478	-0.871
70.0	-0.319	-0.293	-0.351	-0.797	-0.531	70.0	-0.364	-0.349	-0.359	-0.478	-0.871
75.0	-0.319	-0.293	-0.351	-0.797	-0.531	75.0	-0.364	-0.349	-0.359	-0.478	-0.871
80.0	-0.319	-0.293	-0.351	-0.797	-0.531	80.0	-0.364	-0.349	-0.359	-0.478	-0.871
85.0	-0.319	-0.293	-0.351	-0.797	-0.531	85.0	-0.364	-0.349	-0.359	-0.478	-0.871
90.0	-0.319	-0.293	-0.351	-0.797	-0.531	90.0	-0.364	-0.349	-0.359	-0.478	-0.871
95.0	-0.319	-0.293	-0.351	-0.797	-0.531	95.0	-0.364	-0.349	-0.359	-0.478	-0.871
100.0	-0.319	-0.293	-0.351	-0.797	-0.531	100.0	-0.364	-0.349	-0.359	-0.478	-0.871
2.5 (LOWER)	0.604	0.030	0.016	0.020	0.380	2.5 (LOWER)	0.606	0.587	0.475	0.455	0.553
5.0	0.482	0.542	0.501	0.477	0.561	5.0	0.513	0.575	0.818	0.568	0.514
10.0	0.365	0.436	0.538	0.518	0.468	10.0	0.588	0.644	0.511	0.574	0.388
15.0	0.192	0.258	0.240	0.168	0.145	15.0	0.398	0.375	0.338	0.250	0.228
20.0	0.227	0.206	0.194	0.180	0.106	20.0	0.330	0.301	0.278	0.253	0.174
25.0	0.159	0.067	0.095	0.009	-0.027	25.0	0.228	0.131	0.148	0.057	0.004
30.0	0.073	0.111	0.161	0.160	0.081	30.0	0.110	0.148	0.184	0.168	0.088
35.0	0.249	0.288	0.241	0.270	0.152	35.0	0.288	0.314	0.253	0.287	0.120
40.0	0.231	0.254	1.160	0.228	0.083	40.0	0.255	0.267	1.180	0.205	-0.007

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WING PRESSURE COEFFICIENTS

RUN 105 POINT 31 ALPHA		21.97 PSI		0.00 HEIGHT		85.75	
X/C, %		BP 2	BP 6	BP 12	BP 16	BP 22	
0.0 (UPPER)	0.851	-4.336	-1.985	-1.684	-1.131		
2.5	0.591	-4.564	-1.919	-1.469	-1.068		
5.0	-1.418	-3.925	-1.998	-1.437	-0.950		
10.0	-1.085	-1.084	-2.004	-1.507	-1.143		
15.0	-0.929	-1.017	-1.970	-1.525	-0.925		
20.0	-0.819	-0.777	-1.765	-1.670	-1.036		
25.0	-0.628	-0.681	-1.379	-1.541	-1.019		
30.0	-0.319	-0.452	-0.647	-0.779	-0.908		
35.0	-0.407	-0.416	-0.483	-0.877	-0.771		
40.0	-0.008	-0.587	-0.611	-0.592	-0.882		
45.0	-3.826	-27.812	-21.344	-28.328	-27.816		
50.0	-27.913	-26.820	-27.702	-26.869	-25.955		
55.0	-25.858	-26.234	-29.234	-26.544	-26.230		
60.0	-26.508	-27.531	-27.682	-27.307	-27.307		
65.0	-26.705	-28.819	-27.815	-25.925	-27.250		
70.0	-26.742	-27.267	-27.585	-28.284	-26.578		
75.0	-0.177	-0.248	-0.312	-0.428	-0.921		
80.0	-0.123	-0.163	-0.217	-0.425	-0.088		
85.0	-0.077	-0.094	-0.141	-0.330	-0.863		
90.0	-0.025	-0.012	-0.018	-0.184	-0.845		
95.0	0.660	0.583	0.491	0.411	0.511		
100.0 (LOWER)	0.635	0.687	0.660	0.577	0.525		
0.0	0.698	0.728	0.574	0.631	0.434		
2.5	0.390	0.472	0.416	0.317	0.291		
5.0	0.420	0.381	0.350	0.303	0.230		
10.0	0.293	0.194	0.206	0.100	0.032		
15.0	0.145	0.183	0.211	0.188	0.036		
20.0	0.325	0.345	0.269	0.271	0.103		
25.0	0.279	0.277	0.174	0.180	-0.077		

WING PRESSURE COEFFICIENTS

RUN 106 POINT 2 ALPHA		0.00 PSI		0.00 HEIGHT		88.88	
X/C, %		BP 2	BP 6	BP 12	BP 16	BP 22	
0.0 (UPPER)	0.762	0.324	0.415	0.258	0.403		
2.5	0.472	0.164	0.233	0.120	0.413		
5.0	0.140	0.178	0.001	0.081	0.074		
10.0	0.076	0.172	-0.060	-0.160	-0.315		
15.0	0.013	0.112	-0.025	-0.214	-0.005		
20.0	-0.228	-0.054	-0.058	-0.405	-0.232		
25.0	-0.174	-0.139	-0.100	-0.264	-0.278		
30.0	-0.019	-0.178	-0.337	-0.571	-0.187		
35.0	-0.408	-0.342	-0.479	-0.384	-0.019		
40.0	-0.059	-1.033	-1.072	-0.882	-0.580		
45.0	-43.682	-42.170	-44.143	-48.285	-42.774		
50.0	-41.818	-41.500	-42.042	-39.456	-39.585		
55.0	-38.078	-43.282	-42.926	-37.802	-38.202		
60.0	-43.370	-40.606	-42.384	-46.348	-41.291		
65.0	-40.283	-42.303	-41.438	-41.681	-40.587		
70.0	-39.632	-40.834	-41.010	-42.278	-39.278		
75.0	-0.257	-0.250	-1.887	-1.203	1.063		
80.0	-0.111	-0.158	-0.256	-0.700	0.098		
85.0	-1.002	-0.956	-0.321	0.702	-0.270		
90.0	-0.383	-0.307	-0.850	-0.685	-0.597		
95.0	-0.301	-0.033	-0.183	-0.375	-0.159		
100.0 (LOWER)	-0.011	-0.097	-0.189	-0.063	-0.255		
0.0	-0.174	-0.075	-0.148	-0.282	-0.129		
2.5	-0.019	-0.067	-0.118	-0.157	-0.048		
5.0	-0.018	-0.160	-0.106	-0.232	-0.130		
10.0	-0.223	-0.054	0.031	-0.047	0.025		
15.0	-0.451	0.195	0.451	0.225	0.183		
20.0	0.157	0.145	0.389	0.183	0.148		

WING PRESSURE COEFFICIENTS

RUN 106 POINT 3 ALPHA		1.89 PSI		0.00 HEIGHT		87.14	
X/C, %		BP 2	BP 6	BP 12	BP 16	BP 22	
0.0 (UPPER)	0.773	0.478	0.487	0.238	0.348		
2.5	0.534	0.251	0.037	-0.117	-0.284		
5.0	0.064	0.078	-0.143	-0.086	-0.130		
10.0	0.005	0.085	-0.174	-0.284	-0.431		
15.0	-0.053	-0.195	-0.086	-0.316	-0.081		
20.0	-0.288	-0.121	-0.121	-0.482	-0.289		
25.0	-0.228	-0.198	-0.154	-0.326	-0.332		
30.0	-0.025	-0.210	-0.375	-0.708	-0.190		
35.0	-0.414	-0.412	-0.505	-0.387	-0.047		
40.0	-0.060	-1.057	-1.088	-0.704	-0.817		
45.0	-35.307	-34.485	-35.692	-40.131	-34.085		
50.0	-34.019	-33.598	-33.620	-31.491	-31.510		
55.0	-31.048	-34.741	-34.185	-29.979	-30.502		
60.0	-35.369	-32.925	-34.152	-37.137	-33.102		
65.0	-32.745	-33.900	-32.888	-33.173	-32.384		
70.0	-32.122	-33.135	-32.845	-33.672	-31.571		
75.0	-0.246	-0.228	-2.250	-1.408	1.058		
80.0	-0.168	-0.151	-0.148	-0.860	0.115		
85.0	-0.052	-0.319	0.615	-0.152	-0.746		
90.0	-1.025	-0.981	-0.877	-0.893	-0.740		
95.0	-0.245	-0.139	-0.141	-0.141	0.100		
100.0 (LOWER)	-0.235	0.044	-0.015	-0.058	-0.071		
0.0	-0.031	0.002	-0.098	0.060	-0.134		
2.5	-0.135	-0.020	-0.089	-0.230	-0.074		
5.0	0.026	-0.044	-0.068	-0.106	-0.016		
10.0	0.054	-0.135	-0.078	-0.211	-0.133		
15.0	-0.281	-0.038	0.044	0.060	0.033		
20.0	0.165	0.218	0.530	0.238	0.164		
25.0	0.182	0.164	1.227	0.171	0.148		

WING PRESSURE COEFFICIENTS

RUN 106 POINT	4 ALPHA	4.03 PSI	0.00 HEIGHT	85.21	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %									
0.0 (UPPER)	0.843	0.537	0.352	-0.082	-0.132				
2.5	0.594	0.102	-0.198	-0.419	-0.677				
5.0	-0.019	-0.048	-0.313	-0.301	-0.382				
10.0	-0.251	-0.022	-0.300	-0.424	-0.602				
15.0	-0.139	-0.293	-0.168	-0.428	-0.205				
20.0	-0.360	-0.196	-0.198	-0.548	-0.369				
25.0	-0.298	-0.263	-0.203	-0.367	-0.377				
30.0	-0.065	-0.258	-0.412	0.793	0.377				
35.0	-0.435	-0.454	-0.536	-0.421	-0.108				
40.0	-0.081	-1.082	-1.097	-0.733	-0.618				
45.0	-28.598	-28.852	-29.457	-33.441	-27.671				
50.0	-28.331	-27.800	-27.399	-25.811	-25.558				
55.0	-26.003	-28.503	-27.791	-24.201	-24.884				
60.0	-29.435	-27.255	-27.939	-30.372	-26.949				
65.0	-27.169	-27.767	-26.677	-28.921	-26.371				
70.0	-26.992	-27.354	-26.859	-27.636	-25.812				
75.0	-0.252	-0.241	-2.356	-1.464	1.066				
80.0	-0.106	-0.162	0.112	-0.665	0.114				
85.0	-0.058	-0.335	0.581	0.121	-0.804				
90.0	-1.041	-0.987	0.685	-0.908	-0.771				
95.0	-0.134	0.004	0.040	0.048	0.304				
100.0	-0.108	0.116	0.115	0.085	0.130				
0.0 (LOWER)	0.109	0.097	0.008	0.181	-0.027				
2.5	-0.097	0.030	-0.039	-0.171	-0.030				
5.0	0.051	-0.003	-0.032	-0.064	0.007				
10.0	0.074	-0.113	-0.058	-0.191	-0.131				
15.0	-0.279	-0.025	0.056	0.072	0.022				
20.0	-0.186	0.234	0.543	0.240	0.175				
25.0	0.196	0.177	1.356	0.176	0.135				

WING PRESSURE COEFFICIENTS

RUN 106 POINT	6 ALPHA	7.88 PSI	0.00 HEIGHT	88.04	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %									
0.0 (UPPER)	1.059	0.307	-0.504	-1.590	-2.219				
2.5	0.802	-0.248	-0.841	-1.022	-1.362				
5.0	-0.212	-0.318	-0.832	-0.732	-0.900				
10.0	-0.260	-0.251	-0.542	-0.707	-0.903				
15.0	-0.309	-0.469	-0.371	-0.633	-0.460				
20.0	-0.495	-0.336	-0.337	-0.677	-0.524				
25.0	-0.424	-0.368	-0.314	-0.486	-0.503				
30.0	-0.158	-0.347	-0.476	1.038	-0.385				
35.0	-0.473	-0.531	-0.568	-0.482	-0.262				
40.0	-0.044	-0.044	-1.087	-0.794	-0.831				
45.0	-15.583	-14.983	-14.566	-17.151	-12.631				
50.0	-14.404	-13.748	-12.783	-11.747	-11.814				
55.0	-13.520	-13.553	-12.721	-10.645	-11.552				
60.0	-14.989	-13.529	-13.163	-14.361	-12.489				
65.0	-13.810	-13.087	-12.198	-12.413	-12.208				
70.0	-13.715	-13.311	-12.417	-12.702	-12.156				
75.0	-0.258	-0.256	-2.471	-1.554	0.836				
80.0	-0.111	-0.181	-0.047	-0.875	0.110				
85.0	-0.064	-0.360	0.511	-0.058	-0.948				
90.0	-1.031	-0.967	-0.861	-0.804	-0.828				
95.0	0.077	0.249	0.294	0.456	0.515				
100.0	0.096	0.247	0.312	0.322	0.151				
0.0 (LOWER)	0.223	0.276	0.157	0.222	0.151				
2.5	0.002	0.119	0.065	-0.045	0.051				
5.0	0.125	0.077	0.058	0.029	0.018				
10.0	5.120	-0.048	0.001	-0.132	-0.118				
15.0	-0.235	0.019	0.087	0.037	0.003				
20.0	0.224	0.259	0.554	0.259	0.151				
25.0	0.210	0.199	1.655	0.181	0.115				

WING PRESSURE COEFFICIENTS

RUN 106 POINT	5 ALPHA	6.00 PSI	0.00 HEIGHT	85.73	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %									
0.0 (UPPER)	0.904	0.484	-0.013	-0.703	-1.012				
2.5	0.651	-0.061	-0.457	-0.801	-1.181				
5.0	-0.175	-0.175	-0.497	-0.473	-0.620				
10.0	-0.137	-0.137	-0.431	-0.557	-0.751				
15.0	-0.225	-0.376	-0.261	-0.522	-0.323				
20.0	-0.432	-0.267	-0.202	-0.820	-0.448				
25.0	-0.363	-0.318	-0.257	-0.431	-0.445				
30.0	-0.107	-0.301	-0.488	-0.858	-0.300				
35.0	-0.456	-0.488	-0.556	-0.452	-0.175				
40.0	-0.059	-1.097	-1.097	-0.760	-0.741				
45.0	-24.158	-23.503	-23.694	-27.074	-21.753				
50.0	-22.656	-22.327	-21.691	-20.181	-20.071				
55.0	-21.194	-22.638	-21.863	-18.814	-19.669				
60.0	-23.790	-21.916	-22.117	-24.053	-21.305				
65.0	-21.954	-21.973	-20.919	-21.161	-20.812				
70.0	-21.839	-21.830	-21.208	-21.825	-20.477				
75.0	-0.258	-0.251	-1.407	-1.502	1.012				
80.0	0.112	0.174	0.085	-0.674	-0.110				
85.0	-0.064	-0.348	0.546	-0.639	-0.868				
90.0	-1.043	-0.978	-0.875	-0.913	-0.803				
95.0	0.032	0.120	0.178	0.186	0.440				
100.0	0.080	0.186	0.218	0.196	0.250				
0.0 (LOWER)	0.064	0.187	0.075	0.246	0.055				
2.5	0.085	0.070	0.010	0.115	0.010				
5.0	0.085	0.036	0.010	0.022	0.027				
10.0	-0.099	-0.082	-0.032	0.166	-0.126				
15.0	-0.281	-0.008	0.067	0.066	0.019				
20.0	0.203	0.244	0.549	0.250	0.161				
25.0	0.203	0.186	1.454	0.182	0.121				

WING PRESSURE COEFFICIENTS

RUN 106 POINT	7 ALPHA	10.00 PSI	0.00 HEIGHT	85.44	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %									
0.0 (UPPER)	0.554	0.011	-1.394	-2.681	-3.017				
2.5	0.288	-0.462	-0.935	-1.450	-2.549				
5.0	-0.303	-0.467	-0.837	-1.014	-1.863				
10.0	-0.117	-0.367	-0.679	-0.865	-1.091				
15.0	-0.383	-0.543	-0.481	-0.749	-0.577				
20.0	-0.558	-0.413	-0.421	-0.127	-0.572				
25.0	-0.480	-0.425	-0.384	-0.545	-0.529				
30.0	0.231	-0.392	-0.510	-0.726	-0.423				
35.0	-0.495	0.583	-0.585	-0.517	-0.378				
40.0	-0.019	1.091	-1.078	-0.837	-0.880				
45.0	-4.561	4.208	-3.395	-4.703	-1.865				
50.0	-3.708	3.166	-2.207	-1.734	-1.622				
55.0	-3.726	2.625	-1.988	-1.012	-1.828				
60.0	-3.952	3.137	-2.404	-2.746	-2.020				
65.0	-3.529	2.425	-1.798	-1.995	-1.915				
70.0	-3.515	2.842	-1.958	-1.338	-2.106				
75.0	-0.260	-0.262	-2.535	-1.811	0.845				
80.0	-0.106	-0.187	0.008	-0.678	0.106				
85.0	-0.058	-0.380	0.476	-0.022	-1.029				
90.0	-1.020	-0.958	-0.850	-0.915	-0.857				
95.0	0.182	0.338	0.367	0.361	0.547				
100.0	0.096	0.298	0.381	0.377	0.418				
0.0 (LOWER)	0.269	0.343	0.278	0.377	0.232				
2.5	0.051	0.155	0.116	0.037	0.084				
5.0	0.155	0.114	0.038	0.078	0.062				
10.0	-0.012	-0.012	0.034	-0.090	-0.102				
15.0	0.130	0.055	0.118	0.116	0.011				
20.0	-0.194	0.055	0.118	0.266	0.140				
25.0	0.277	0.277	0.555	0.242	0.151				
30.0	0.207	0.208	1.060	0.202	0.108				



MING PRESSURE COEFFICIENTS

MIN 100 POINT 0 ALPMA 11.00 PSI	0.00 HEIGHT 80.00	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (SUPPLY)	-0.482	0.638	-0.482	-2.487	-3.813	-1.000
2.5	-0.395	0.395	-0.895	-1.325	-2.713	-1.443
5.0	-0.294	-0.196	-0.996	-1.456	-1.547	-1.370
10.0	-0.434	-0.643	-0.827	-0.843	-0.843	-1.326
15.0	-0.484	-0.625	-0.625	-0.812	-0.826	-1.147
20.0	-0.642	-0.682	-0.682	-0.512	-0.787	-1.183
25.0	-0.568	-0.625	-0.625	-0.466	-0.666	-1.056
30.0	-0.327	-0.432	-0.432	-0.363	-0.795	-0.874
35.0	-0.328	-0.691	-0.691	-0.617	-0.956	-0.904
40.0	-0.611	-1.067	-1.067	-0.876	-0.964	-0.964
45.0	-0.216	-0.316	-0.316	-0.738	-1.110	-1.045
50.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
55.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
60.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
65.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
70.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
75.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
80.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
85.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
90.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
95.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990
100.0	-0.868	-2.378	-2.311	-1.888	-1.714	-1.990

MING PRESSURE COEFFICIENTS

END 100	POINT 10	ALPMA	18.00	PSI	0.00	HEIGHT	87.27
W/C	3	BP 2	BP 6	BP 12	BP 16	BP 22	
0.0	(SUPPLY)	0.728	-1.005	-3.483	-2.772	-1.878	
2.5		0.438	-1.156	-2.167	-2.729	-1.794	
5.0		-0.638	-0.976	-1.060	-0.460	-1.885	
10.0		-0.663	-0.761	-1.220	-2.166	-1.885	
15.0		-0.863	-0.601	-0.914	-0.729	-1.884	
20.0		-0.864	-0.601	-0.914	-0.857	-2.034	
25.0		-0.897	-0.623	-0.623	-0.870	-2.180	
30.0		-0.897	-0.623	-0.623	-0.870	-2.180	
35.0		-0.897	-0.623	-0.623	-0.870	-2.180	
40.0		-0.897	-0.623	-0.623	-0.870	-2.180	
45.0		-0.897	-0.623	-0.623	-0.870	-2.180	
50.0		-0.897	-0.623	-0.623	-0.870	-2.180	
55.0		-0.897	-0.623	-0.623	-0.870	-2.180	
60.0		-0.897	-0.623	-0.623	-0.870	-2.180	
65.0		-0.897	-0.623	-0.623	-0.870	-2.180	
70.0		-0.897	-0.623	-0.623	-0.870	-2.180	
75.0		-0.897	-0.623	-0.623	-0.870	-2.180	
80.0		-0.897	-0.623	-0.623	-0.870	-2.180	
85.0		-0.897	-0.623	-0.623	-0.870	-2.180	
90.0		-0.897	-0.623	-0.623	-0.870	-2.180	
95.0		-0.897	-0.623	-0.623	-0.870	-2.180	
100.0		-0.897	-0.623	-0.623	-0.870	-2.180	

MING PRESSURE COEFFICIENTS

2/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (SUPPLY)	0.870	-1.151	-3.810	-3.943	-1.787
2.5	0.460	-0.860	-1.741	-3.448	-1.661
5.0	-0.312	-0.788	-1.310	-3.726	-1.522
10.0	-0.552	-0.678	-1.031	-3.726	-1.795
15.0	-0.599	-0.747	-0.760	-3.791	-1.465
20.0	-0.720	-0.501	-0.820	-3.820	-1.717
25.0	-0.842	-0.379	-0.558	-3.854	-1.717
30.0	-0.352	-0.600	-0.604	-3.778	-1.717
35.0	-0.588	-0.656	-0.656	-3.682	-1.717
40.0	-0.112	-1.121	-1.121	-3.629	-1.717
45.0	-0.826	-2.543	-2.518	-3.786	-1.717
50.0	-0.826	-2.546	-1.978	-3.133	-1.924
55.0	-3.195	-2.890	-1.632	-0.592	-1.250
60.0	-2.626	-2.513	-1.752	-1.877	-1.935
65.0	-2.897	-2.766	-1.943	-1.276	-1.300
70.0	-0.274	-0.393	-2.377	-1.291	-1.095
75.0	-0.118	-0.278	-0.844	-0.761	-0.100
80.0	-0.073	-0.431	-0.431	-0.666	-0.913
85.0	-0.893	-0.813	-0.875	-0.666	-1.13
90.0	0.166	0.480	0.421	0.283	0.325
95.0	0.249	0.418	0.994	0.481	0.473
100.0	0.794	0.681	0.350	0.456	0.323
110.0	0.153	0.250	0.278	0.180	0.167
120.0	0.244	0.268	0.192	0.172	0.170
130.0	0.183	0.664	0.102	-0.10	-0.057
140.0	-0.141	0.164	0.100	0.154	0.079
150.0	0.268	0.210	0.378	0.291	0.166
160.0	0.231	0.231	1.270	0.272	0.160

MING PRESSURE COEFFICIENTS

1/2" H	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (SUPPLY IN)	0.788	-2.988	-6.348	-3.860	-1.860
2.5	0.487	-1.444	-2.967	-3.867	-1.922
5.0	-0.788	-1.177	-2.966	-4.864	-1.876
10.0	-0.788	-0.943	-1.471	-3.255	-2.041
15.0	-0.788	-0.943	-1.471	-3.255	-2.041
20.0	-0.788	-0.943	-1.471	-3.255	-2.041
25.0	-0.788	-0.943	-1.471	-3.255	-2.041
30.0	-0.788	-0.943	-1.471	-3.255	-2.041
35.0	-0.788	-0.943	-1.471	-3.255	-2.041
40.0	-0.788	-0.943	-1.471	-3.255	-2.041
45.0	-0.788	-0.943	-1.471	-3.255	-2.041
50.0	-0.788	-0.943	-1.471	-3.255	-2.041
55.0	-0.788	-0.943	-1.471	-3.255	-2.041
60.0	-0.788	-0.943	-1.471	-3.255	-2.041
65.0	-0.788	-0.943	-1.471	-3.255	-2.041
70.0	-0.788	-0.943	-1.471	-3.255	-2.041
75.0	-0.788	-0.943	-1.471	-3.255	-2.041
80.0	-0.788	-0.943	-1.471	-3.255	-2.041
85.0	-0.788	-0.943	-1.471	-3.255	-2.041
90.0	-0.788	-0.943	-1.471	-3.255	-2.041
95.0	-0.788	-0.943	-1.471	-3.255	-2.041
100.0	-0.788	-0.943	-1.471	-3.255	-2.041
11 (DOWN IN)	0.788	-2.988	-6.348	-3.860	-1.860
2.5	0.487	-1.444	-2.967	-3.867	-1.922
5.0	-0.788	-1.177	-2.966	-4.864	-1.876
10.0	-0.788	-0.943	-1.471	-3.255	-2.041
15.0	-0.788	-0.943	-1.471	-3.255	-2.041
20.0	-0.788	-0.943	-1.471	-3.255	-2.041
25.0	-0.788	-0.943	-1.471	-3.255	-2.041
30.0	-0.788	-0.943	-1.471	-3.255	-2.041
35.0	-0.788	-0.943	-1.471	-3.255	-2.041
40.0	-0.788	-0.943	-1.471	-3.255	-2.041
45.0	-0.788	-0.943	-1.471	-3.255	-2.041
50.0	-0.788	-0.943	-1.471	-3.255	-2.041
55.0	-0.788	-0.943	-1.471	-3.255	-2.041
60.0	-0.788	-0.943	-1.471	-3.255	-2.041
65.0	-0.788	-0.943	-1.471	-3.255	-2.041
70.0	-0.788	-0.943	-1.471	-3.255	-2.041
75.0	-0.788	-0.943	-1.471	-3.255	-2.041
80.0	-0.788	-0.943	-1.471	-3.255	-2.041
85.0	-0.788	-0.943	-1.471	-3.255	-2.041
90.0	-0.788	-0.943	-1.471	-3.255	-2.041
95.0	-0.788	-0.943	-1.471	-3.255	-2.041
100.0	-0.788	-0.943	-1.471	-3.255	-2.041

WIND POWER CONCENTRATIONS

[illegible]

NAME	101	PM101	0	ALPHA	0.07	P51	0.00	HELMET	87.43
S/C	5	7	9	17	18	19	27		
0	0.310	0.222	0.750	0.299	-0.040				
2	0.180	-0.073	-0.094	-0.775	-0.784				
3	0.342	-0.041	-0.700	-0.748	-0.540				
5	0.040	-0.261	-0.418	-0.474	-0.376				
10	0.037	-0.162	0.377	-0.283	-0.726				
15	0.043	0.270	-0.310	-0.195	-0.342				
24	0.001	0.181	-0.310	-0.309	-0.462				
32	0.021	-0.283	-0.007	-0.770	-0.037				
34	0.023	-0.743	-0.345	-0.613	-0.660				
60	-0.264	0.743	-0.345	-1.403	-1.504				
74	0.117	-1.354	-1.340	-1.403	-1.504				
78	0.4	0.120	0.691	3.750	3.564				
80	0.4	0.110	0.672	3.692	3.434				
81	0.3	0.923	0.950	2.754	3.009				
82	0.470	0.110	3.148	2.740	3.009				
84	0.264	0.610	3.177	3.485	3.818				
87	0.11	2.875	3.705	3.767	3.705				
88	-0.000	-0.271	-0.071	-2.712	-2.074				
93	-0.100	-0.121	0.110	-0.240	-0.100				
95	-0.040	-0.776	1.093	0.270	-1.000				
98	-0.030	-0.776	1.093	0.270	-1.000				
100	-2.013	0.231	-1.053	-1.334	-1.334				
2	-0.040	-0.209	0.014	0.319	0.044				
5	-0.040	-0.209	-0.141	0.000	0.007				
10	-0.214	-0.307	-0.050	0.160	0.004				
24	-0.092	-0.378	-0.071	0.122	-0.141				
32	-0.000	-0.151	-0.164	-0.228	-0.228				
34	-0.227	-0.075	-0.075	-0.017	-0.000				
72	-0.100	0.120	0.105	0.150	0.115				
84	0.000	0.003	0.004	0.100	0.017				
86	0.163	0.044	0.753	0.090	-0.037				

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

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DATE	TIME	UT	UT-UT0	UT-UT1	UT-UT2	UT-UT3
1997	01/01/97	13	04:00:00	01:50	05:13	0:00
UT-UT0	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT1	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT2	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT3	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT4	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT5	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT6	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT7	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT8	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT9	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT10	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT11	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT12	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT13	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT14	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT15	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT16	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT17	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT18	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT19	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT20	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT21	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT22	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT23	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT24	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT25	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT26	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT27	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT28	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT29	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT30	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT31	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT32	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT33	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT34	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT35	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT36	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT37	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT38	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT39	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT40	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT41	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT42	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT43	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT44	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT45	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT46	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT47	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT48	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT49	0:00	0:00	0:00	0:00	0:00	0:00
UT-UT50	0:00	0:00	0:00	0:00	0:00	0:00

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NAME	107	102101	0	01 March	11 00	001	0	00	001000	001	10	00	00
	S/C	%											
	0	0		0	0000	0	0	0	0	0	0	0	0
2 %	2 %			0	0.213	-0	0.253	-2	0.007	-3	0.003	-3	0.770
16	16			0	0.170	-0	0.044	-1	0.01	-3	0.10	-1	0.002
16	16			0	0.220	-0	0.702	-0	0.03	-0	0.10	-1	0.170
15	15			0	0.170	-0	0.044	-1	0.01	-3	0.10	-1	0.002
24	24			0	0.200	-0	0.200	-0	0.271	-3	0.10	-1	0.170
23	23			0	0.200	-0	0.200	-0	0.271	-3	0.10	-1	0.170
14	14			0	0.232	-0	0.827	-0	0.03	-0	0.10	-1	0.002
00	00			0	0.170	-0	0.044	-1	0.01	-3	0.10	-1	0.002
18	18			0	0.237	-1	0.200	-1	0.00	-0	0.10	-1	0.002
18	18			0	0.107	-0	0.101	-0	0.03	-0	0.10	-1	0.002
00	00			0	0.170	-0	0.044	-1	0.01	-3	0.10	-1	0.002
81	81			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
82	82			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
84	84			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
87	87			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
83	83			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
00	00			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
100	100			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
2 %	2 %			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
3 %	3 %			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
10	10			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
24	24			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
33	33			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
74	74			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
00	00			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
84	84			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002
100	100			0	0.100	-0	0.100	-0	0.03	-0	0.10	-1	0.002

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MINE PRESSURE COEFFICIENTS

MIN 110 POINT 12 ALPHA 11.00 PSI 0.00 HEIGHT 87.33	BP 2	BP 6	BP 12	BP 16	BP 22
Z/C, %	0.770	0.770	0.770	0.770	0.770
0.0 (DEPTH)	-1.274	-1.274	-1.274	-1.274	-1.274
2.5	-1.550	-1.550	-1.550	-1.550	-1.550
5.0	-1.826	-1.826	-1.826	-1.826	-1.826
7.5	-2.102	-2.102	-2.102	-2.102	-2.102
10.0	-2.378	-2.378	-2.378	-2.378	-2.378
12.5	-2.654	-2.654	-2.654	-2.654	-2.654
15.0	-2.930	-2.930	-2.930	-2.930	-2.930
17.5	-3.206	-3.206	-3.206	-3.206	-3.206
20.0	-3.482	-3.482	-3.482	-3.482	-3.482
22.5	-3.758	-3.758	-3.758	-3.758	-3.758
25.0	-4.034	-4.034	-4.034	-4.034	-4.034
27.5	-4.310	-4.310	-4.310	-4.310	-4.310
30.0	-4.586	-4.586	-4.586	-4.586	-4.586
32.5	-4.862	-4.862	-4.862	-4.862	-4.862
35.0	-5.138	-5.138	-5.138	-5.138	-5.138
37.5	-5.414	-5.414	-5.414	-5.414	-5.414
40.0	-5.690	-5.690	-5.690	-5.690	-5.690
42.5	-5.966	-5.966	-5.966	-5.966	-5.966
45.0	-6.242	-6.242	-6.242	-6.242	-6.242
47.5	-6.518	-6.518	-6.518	-6.518	-6.518
50.0	-6.794	-6.794	-6.794	-6.794	-6.794
52.5	-7.070	-7.070	-7.070	-7.070	-7.070
55.0	-7.346	-7.346	-7.346	-7.346	-7.346
57.5	-7.622	-7.622	-7.622	-7.622	-7.622
60.0	-7.898	-7.898	-7.898	-7.898	-7.898
62.5	-8.174	-8.174	-8.174	-8.174	-8.174
65.0	-8.450	-8.450	-8.450	-8.450	-8.450
67.5	-8.726	-8.726	-8.726	-8.726	-8.726
70.0	-9.002	-9.002	-9.002	-9.002	-9.002
72.5	-9.278	-9.278	-9.278	-9.278	-9.278
75.0	-9.554	-9.554	-9.554	-9.554	-9.554
77.5	-9.830	-9.830	-9.830	-9.830	-9.830
80.0	-10.106	-10.106	-10.106	-10.106	-10.106
82.5	-10.382	-10.382	-10.382	-10.382	-10.382
85.0	-10.658	-10.658	-10.658	-10.658	-10.658
87.5	-10.934	-10.934	-10.934	-10.934	-10.934
90.0	-11.210	-11.210	-11.210	-11.210	-11.210
92.5	-11.486	-11.486	-11.486	-11.486	-11.486
95.0	-11.762	-11.762	-11.762	-11.762	-11.762
97.5	-12.038	-12.038	-12.038	-12.038	-12.038
100.0	-12.314	-12.314	-12.314	-12.314	-12.314

MIN 110 POINT 10 ALPHA 8.00 PSI 0.00 HEIGHT 80.81	BP 2	BP 6	BP 12	BP 16	BP 22
Z/C, %	0.750	0.750	0.750	0.750	0.750
0.0 (DEPTH)	-1.546	-1.546	-1.546	-1.546	-1.546
2.5	-1.822	-1.822	-1.822	-1.822	-1.822
5.0	-2.098	-2.098	-2.098	-2.098	-2.098
7.5	-2.374	-2.374	-2.374	-2.374	-2.374
10.0	-2.650	-2.650	-2.650	-2.650	-2.650
12.5	-2.926	-2.926	-2.926	-2.926	-2.926
15.0	-3.202	-3.202	-3.202	-3.202	-3.202
17.5	-3.478	-3.478	-3.478	-3.478	-3.478
20.0	-3.754	-3.754	-3.754	-3.754	-3.754
22.5	-4.030	-4.030	-4.030	-4.030	-4.030
25.0	-4.306	-4.306	-4.306	-4.306	-4.306
27.5	-4.582	-4.582	-4.582	-4.582	-4.582
30.0	-4.858	-4.858	-4.858	-4.858	-4.858
32.5	-5.134	-5.134	-5.134	-5.134	-5.134
35.0	-5.410	-5.410	-5.410	-5.410	-5.410
37.5	-5.686	-5.686	-5.686	-5.686	-5.686
40.0	-5.962	-5.962	-5.962	-5.962	-5.962
42.5	-6.238	-6.238	-6.238	-6.238	-6.238
45.0	-6.514	-6.514	-6.514	-6.514	-6.514
47.5	-6.790	-6.790	-6.790	-6.790	-6.790
50.0	-7.066	-7.066	-7.066	-7.066	-7.066
52.5	-7.342	-7.342	-7.342	-7.342	-7.342
55.0	-7.618	-7.618	-7.618	-7.618	-7.618
57.5	-7.894	-7.894	-7.894	-7.894	-7.894
60.0	-8.170	-8.170	-8.170	-8.170	-8.170
62.5	-8.446	-8.446	-8.446	-8.446	-8.446
65.0	-8.722	-8.722	-8.722	-8.722	-8.722
67.5	-8.998	-8.998	-8.998	-8.998	-8.998
70.0	-9.274	-9.274	-9.274	-9.274	-9.274
72.5	-9.550	-9.550	-9.550	-9.550	-9.550
75.0	-9.826	-9.826	-9.826	-9.826	-9.826
77.5	-10.102	-10.102	-10.102	-10.102	-10.102
80.0	-10.378	-10.378	-10.378	-10.378	-10.378
82.5	-10.654	-10.654	-10.654	-10.654	-10.654
85.0	-10.930	-10.930	-10.930	-10.930	-10.930
87.5	-11.206	-11.206	-11.206	-11.206	-11.206
90.0	-11.482	-11.482	-11.482	-11.482	-11.482
92.5	-11.758	-11.758	-11.758	-11.758	-11.758
95.0	-12.034	-12.034	-12.034	-12.034	-12.034
97.5	-12.310	-12.310	-12.310	-12.310	-12.310
100.0	-12.586	-12.586	-12.586	-12.586	-12.586

MIN 110 POINT 17 ALPHA 31.00 PSI 0.00 HEIGHT 87.80	BP 2	BP 6	BP 12	BP 16	BP 22
Z/C, %	0.631	0.631	0.631	0.631	0.631
0.0 (DEPTH)	-1.107	-1.107	-1.107	-1.107	-1.107
2.5	-1.383	-1.383	-1.383	-1.383	-1.383
5.0	-1.659	-1.659	-1.659	-1.659	-1.659
7.5	-1.935	-1.935	-1.935	-1.935	-1.935
10.0	-2.211	-2.211	-2.211	-2.211	-2.211
12.5	-2.487	-2.487	-2.487	-2.487	-2.487
15.0	-2.763	-2.763	-2.763	-2.763	-2.763
17.5	-3.039	-3.039	-3.039	-3.039	-3.039
20.0	-3.315	-3.315	-3.315	-3.315	-3.315
22.5	-3.591	-3.591	-3.591	-3.591	-3.591
25.0	-3.867	-3.867	-3.867	-3.867	-3.867
27.5	-4.143	-4.143	-4.143	-4.143	-4.143
30.0	-4.419	-4.419	-4.419	-4.419	-4.419
32.5	-4.695	-4.695	-4.695	-4.695	-4.695
35.0	-4.971	-4.971	-4.971	-4.971	-4.971
37.5	-5.247	-5.247	-5.247	-5.247	-5.247
40.0	-5.523	-5.523	-5.523	-5.523	-5.523
42.5	-5.799	-5.799	-5.799	-5.799	-5.799
45.0	-6.075	-6.075	-6.075	-6.075	-6.075
47.5	-6.351	-6.351	-6.351	-6.351	-6.351
50.0	-6.627	-6.627	-6.627	-6.627	-6.627
52.5	-6.903	-6.903	-6.903	-6.903	-6.903
55.0	-7.179	-7.179	-7.179	-7.179	-7.179
57.5	-7.455	-7.455	-7.455	-7.455	-7.455
60.0	-7.731	-7.731	-7.731	-7.731	-7.731
62.5	-8.007	-8.007	-8.007	-8.007	-8.007
65.0	-8.283	-8.283	-8.283	-8.283	-8.283
67.5	-8.559	-8.559	-8.559	-8.559	-8.559
70.0	-8.835	-8.835	-8.835	-8.835	-8.835
72.5	-9.111	-9.111	-9.111	-9.111	-9.111
75.0	-9.387	-9.387	-9.387	-9.387	-9.387
77.5	-9.663	-9.663	-9.663	-9.663	-9.663
80.0	-9.939	-9.939	-9.939	-9.939	-9.939
82.5	-10.215	-10.215	-10.215	-10.215	-10.215
85.0	-10.491	-10.491	-10.491	-10.491	-10.491
87.5	-10.767	-10.767	-10.767	-10.767	-10.767
90.0	-11.043	-11.043	-11.043	-11.043	-11.043
92.5	-11.319	-11.319	-11.319	-11.319	-11.319
95.0	-11.595	-11.595	-11.595	-11.595	-11.595
97.5	-11.871	-11.871	-11.871	-11.871	-11.871
100.0	-12.147	-12.147	-12.147	-12.147	-12.147

MIN 110 POINT 10 ALPHA 8.00 PSI 0.00 HEIGHT 80.81	BP 2	BP 6	BP 12	BP 16	BP 22
Z/C, %	0.750	0.750	0.750	0.750	0.750
0.0 (DEPTH)	-1.546	-1.546	-1.546	-1.546	-1.546
2.5	-1.822	-1.822	-1.822	-1.822	-1.822
5.0	-2.098	-2.098	-2.098	-2.098	-2.098
7.5	-2.374	-2.374	-2.374	-2.374	-2.374
10.0	-2.650	-2.650	-2.650	-2.650	-2.650
12.5	-2.926	-2.926	-2.926	-2.926	-2.926
15.0	-3.202	-3.202	-3.202	-3.202	-3.202
17.5	-3.478	-3.478	-3.478	-3.478	-3.478
20.0	-3.754	-3.754	-3.754	-3.754	-3.754
22.5	-4.030	-4.030	-4.030	-4.030	-4.030
25.0	-4.306	-4.306	-4.306	-4.306	-4.306
27.5	-4.582	-4.582	-4.582	-4.582	-4.582
30.0	-4.858	-4.858	-4.858	-4.858	-4.858
32.5	-5.134	-5.134	-5.134	-5.134	-5.134
35.0	-5.410	-5.410	-5.410	-5.410	-5.410
37.5	-5.686	-5.686	-5.686	-5.686	-5.686
40.0	-5.962	-5.962	-5.962	-5.962	-5.962
42.5	-6.238	-6.238	-6.238	-6.238	-6.238
45.0	-6.514	-6.514	-6.514	-6.514	-6.514
47.5	-6.790	-6.790	-6.790	-6.790	-6.790
50.0	-7.066	-7.066	-7.066	-7.066	-7.066
52.5	-7.342	-7.342	-7.342	-7.342	-7.342
55.0	-7.618	-7.618	-7.618	-7.618	-7.618
57.5	-7.894	-7.894	-7.894	-7.894	-7.894
60.0	-8.170	-8.170	-8.170	-8.170	-8.170
62.5	-8.446	-8.446	-8.446	-8.446	-8.446
65.0	-8.722	-8.722	-8.722	-8.722	-8.722
67.5	-8.998	-8.998	-8.998	-8.998	-8.998
70.0	-9.274	-9.274	-9.274	-9.274	-9.274
72.5	-9.550	-9.550	-9.550	-9.550	-9.550
75.0	-9.826	-9.826	-9.826	-9.826	-9.826
77.5	-10.102	-10.102	-10.102	-10.102	-10.102
80.0	-10.378	-10.378	-10.378	-10.378	-10.378
82.5	-10.654	-10.654	-10.654	-10.654	-10.654
85.0	-10.930	-10.930	-10.930	-10.930	-10.930
87.5	-11.206	-11.206	-11.206	-11.206	-11.206
90.0	-11.482	-11.482	-11.482	-11.482	-11.482
92.5	-11.758	-11.758	-11.758	-11.758	-11.758
95.0	-12.034	-12.034	-12.034	-12.034	-12.034
97.5	-12.310	-12.310	-12.310	-12.310	-12.310
100.0	-12.586	-12.586	-12.586	-12.586	-12.586

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THE UNIVERSITY OF CHICAGO

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MINE PRESSURE COEFFICIENTS

MINE 120 POINT 13 ALPHA 27.00 PSI 0.00 HEIGHT 60.10									
S/C, X		BP 2	BP 3	BP 6	BP 13	BP 16	BP 22		
0.0	REPORTED	1.022	-4.100	-2.453	-2.271	-1.587	-0.207	0.0	REPORTED
2.5		-0.005	-3.000	-3.790	-1.792	-1.087	-0.223	2.5	
5.0		-2.073	-4.134	-3.070	-1.792	-1.291	-0.270	5.0	
7.5		-3.073	-4.134	-3.070	-1.792	-1.291	-0.270	7.5	
10.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	10.0	
15.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	15.0	
20.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	20.0	
25.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	25.0	
30.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	30.0	
35.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	35.0	
40.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	40.0	
45.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	45.0	
50.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	50.0	
55.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	55.0	
60.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	60.0	
65.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	65.0	
70.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	70.0	
75.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	75.0	
80.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	80.0	
85.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	85.0	
90.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	90.0	
95.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	95.0	
100.0		-1.005	-3.000	-3.000	-1.800	-1.800	-0.270	100.0	

MINE PRESSURE COEFFICIENTS

MINE 121 POINT 6 ALPHA 7.00 PSI 0.00 HEIGHT 64.37									
S/C, X		BP 2	BP 3	BP 6	BP 12	BP 16	BP 22		
0.0	REPORTED	1.316	0.117	0.117	-0.112	-0.743	-0.207	0.0	REPORTED
2.5		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	2.5	
5.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	5.0	
7.5		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	7.5	
10.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	10.0	
15.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	15.0	
20.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	20.0	
25.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	25.0	
30.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	30.0	
35.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	35.0	
40.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	40.0	
45.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	45.0	
50.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	50.0	
55.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	55.0	
60.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	60.0	
65.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	65.0	
70.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	70.0	
75.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	75.0	
80.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	80.0	
85.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	85.0	
90.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	90.0	
95.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	95.0	
100.0		-0.042	-0.233	-0.233	-0.423	-0.390	-0.270	100.0	

MINE 121 POINT 3 ALPHA -0.01 PSI 0.00 HEIGHT 60.50									
S/C, X		BP 2	BP 3	BP 6	BP 13	BP 16	BP 22		
0.0	REPORTED	1.354	0.047	0.020	-0.020	-0.760	-0.207	0.0	REPORTED
2.5		-0.000	-0.192	0.312	0.187	-0.440	-0.270	2.5	
5.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	5.0	
7.5		-0.037	-0.137	0.310	0.219	-0.370	-0.270	7.5	
10.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	10.0	
15.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	15.0	
20.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	20.0	
25.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	25.0	
30.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	30.0	
35.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	35.0	
40.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	40.0	
45.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	45.0	
50.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	50.0	
55.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	55.0	
60.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	60.0	
65.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	65.0	
70.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	70.0	
75.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	75.0	
80.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	80.0	
85.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	85.0	
90.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	90.0	
95.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	95.0	
100.0		-0.037	-0.137	0.310	0.219	-0.370	-0.270	100.0	

MINE 121 POINT 6 ALPHA 7.00 PSI 0.00 HEIGHT 64.37									
S/C, X		BP 2	BP 3	BP 6	BP 12	BP 16	BP 22		
0.0	REPORTED	0.337	-1.560	-2.292	-2.292	-2.094	-2.520	0.0	REPORTED
2.5		-0.002	-1.224	-1.400	-1.400	-1.093	-2.113	2.5	
5.0		-0.781	-0.070	-1.148	-1.148	-1.209	-1.294	5.0	
7.5		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	7.5	
10.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	10.0	
15.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	15.0	
20.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	20.0	
25.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	25.0	
30.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	30.0	
35.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	35.0	
40.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	40.0	
45.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	45.0	
50.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	50.0	
55.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	55.0	
60.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	60.0	
65.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	65.0	
70.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	70.0	
75.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	75.0	
80.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	80.0	
85.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	85.0	
90.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	90.0	
95.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	95.0	
100.0		-0.002	-0.070	-0.070	-0.070	-0.070	-0.070	100.0	

WING PRESSURE COEFFICIENTS

WING 121 POINT 0 ALPHA 12.00 PSI 0.00 HEIGHT 01.75									
L/C %	BP 2	BP 3	BP 4	BP 5	BP 6	BP 7	BP 8	BP 9	BP 10
0.0	0.487	-0.009	-0.017	-0.021	-0.024	-0.027	-0.030	-0.033	-0.036
2.5	0.053	-0.316	-0.387	-0.451	-0.514	-0.576	-0.637	-0.697	-0.757
5.0	-1.177	-1.400	-1.623	-1.846	-2.069	-2.292	-2.515	-2.738	-2.961
10.0	-0.940	-1.163	-1.386	-1.609	-1.832	-2.055	-2.278	-2.501	-2.724
15.0	-0.827	-1.050	-1.273	-1.496	-1.719	-1.942	-2.165	-2.388	-2.611
20.0	-0.829	-1.052	-1.275	-1.498	-1.721	-1.944	-2.167	-2.390	-2.613
25.0	-0.830	-1.053	-1.276	-1.499	-1.722	-1.945	-2.168	-2.391	-2.614
30.0	-0.831	-1.054	-1.277	-1.500	-1.723	-1.946	-2.169	-2.392	-2.615
35.0	-0.832	-1.055	-1.278	-1.501	-1.724	-1.947	-2.170	-2.393	-2.616
40.0	-0.833	-1.056	-1.279	-1.502	-1.725	-1.948	-2.171	-2.394	-2.617
45.0	-0.834	-1.057	-1.280	-1.503	-1.726	-1.949	-2.172	-2.395	-2.618
50.0	-0.835	-1.058	-1.281	-1.504	-1.727	-1.950	-2.173	-2.396	-2.619
55.0	-0.836	-1.059	-1.282	-1.505	-1.728	-1.951	-2.174	-2.397	-2.620
60.0	-0.837	-1.060	-1.283	-1.506	-1.729	-1.952	-2.175	-2.398	-2.621
65.0	-0.838	-1.061	-1.284	-1.507	-1.730	-1.953	-2.176	-2.399	-2.622
70.0	-0.839	-1.062	-1.285	-1.508	-1.731	-1.954	-2.177	-2.400	-2.623
75.0	-0.840	-1.063	-1.286	-1.509	-1.732	-1.955	-2.178	-2.401	-2.624
80.0	-0.841	-1.064	-1.287	-1.510	-1.733	-1.956	-2.179	-2.402	-2.625
85.0	-0.842	-1.065	-1.288	-1.511	-1.734	-1.957	-2.180	-2.403	-2.626
90.0	-0.843	-1.066	-1.289	-1.512	-1.735	-1.958	-2.181	-2.404	-2.627
95.0	-0.844	-1.067	-1.290	-1.513	-1.736	-1.959	-2.182	-2.405	-2.628
100.0	-0.845	-1.068	-1.291	-1.514	-1.737	-1.960	-2.183	-2.406	-2.629

WING 122 POINT 0 ALPHA 3.00 PSI 0.00 HEIGHT 07.50									
L/C %	BP 2	BP 3	BP 4	BP 5	BP 6	BP 7	BP 8	BP 9	BP 10
0.0	0.487	-0.009	-0.017	-0.021	-0.024	-0.027	-0.030	-0.033	-0.036
2.5	0.053	-0.316	-0.387	-0.451	-0.514	-0.576	-0.637	-0.697	-0.757
5.0	-1.177	-1.400	-1.623	-1.846	-2.069	-2.292	-2.515	-2.738	-2.961
10.0	-0.940	-1.163	-1.386	-1.609	-1.832	-2.055	-2.278	-2.501	-2.724
15.0	-0.827	-1.050	-1.273	-1.496	-1.719	-1.942	-2.165	-2.388	-2.611
20.0	-0.829	-1.052	-1.275	-1.498	-1.721	-1.944	-2.167	-2.390	-2.613
25.0	-0.830	-1.053	-1.276	-1.499	-1.722	-1.945	-2.168	-2.391	-2.614
30.0	-0.831	-1.054	-1.277	-1.500	-1.723	-1.946	-2.169	-2.392	-2.615
35.0	-0.832	-1.055	-1.278	-1.501	-1.724	-1.947	-2.170	-2.393	-2.616
40.0	-0.833	-1.056	-1.279	-1.502	-1.725	-1.948	-2.171	-2.394	-2.617
45.0	-0.834	-1.057	-1.280	-1.503	-1.726	-1.949	-2.172	-2.395	-2.618
50.0	-0.835	-1.058	-1.281	-1.504	-1.727	-1.950	-2.173	-2.396	-2.619
55.0	-0.836	-1.059	-1.282	-1.505	-1.728	-1.951	-2.174	-2.397	-2.620
60.0	-0.837	-1.060	-1.283	-1.506	-1.729	-1.952	-2.175	-2.398	-2.621
65.0	-0.838	-1.061	-1.284	-1.507	-1.730	-1.953	-2.176	-2.399	-2.622
70.0	-0.839	-1.062	-1.285	-1.508	-1.731	-1.954	-2.177	-2.400	-2.623
75.0	-0.840	-1.063	-1.286	-1.509	-1.732	-1.955	-2.178	-2.401	-2.624
80.0	-0.841	-1.064	-1.287	-1.510	-1.733	-1.956	-2.179	-2.402	-2.625
85.0	-0.842	-1.065	-1.288	-1.511	-1.734	-1.957	-2.180	-2.403	-2.626
90.0	-0.843	-1.066	-1.289	-1.512	-1.735	-1.958	-2.181	-2.404	-2.627
95.0	-0.844	-1.067	-1.290	-1.513	-1.736	-1.959	-2.182	-2.405	-2.628
100.0	-0.845	-1.068	-1.291	-1.514	-1.737	-1.960	-2.183	-2.406	-2.629

MINE PRESSURE COEFFICIENTS

MINE 122 POINT 8 ALPMA 7.00 PSI 0.00 MEIUMT 83.07		BP 2		BP 6		BP 12		BP 16		BP 22	
L/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0	0.00000	1.227	-1.776	-2.340	-2.904	-3.468	-4.032	-4.596	-5.160	-5.724	-6.288
2.5	0.025	-1.422	-1.422	-1.736	-2.050	-2.364	-2.678	-2.992	-3.306	-3.620	-3.934
5.0	0.050	-1.617	-1.617	-1.931	-2.245	-2.559	-2.873	-3.187	-3.501	-3.815	-4.129
10.0	0.100	-1.812	-1.812	-2.126	-2.440	-2.754	-3.068	-3.382	-3.696	-4.010	-4.324
15.0	0.150	-1.907	-1.907	-2.221	-2.535	-2.849	-3.163	-3.477	-3.791	-4.105	-4.419
20.0	0.200	-2.002	-2.002	-2.316	-2.630	-2.944	-3.258	-3.572	-3.886	-4.200	-4.514
25.0	0.250	-2.097	-2.097	-2.411	-2.725	-3.039	-3.353	-3.667	-3.981	-4.295	-4.609
30.0	0.300	-2.192	-2.192	-2.506	-2.820	-3.134	-3.448	-3.762	-4.076	-4.390	-4.704
35.0	0.350	-2.287	-2.287	-2.601	-2.915	-3.229	-3.543	-3.857	-4.171	-4.485	-4.799
40.0	0.400	-2.382	-2.382	-2.696	-3.010	-3.324	-3.638	-3.952	-4.266	-4.580	-4.894
45.0	0.450	-2.477	-2.477	-2.791	-3.105	-3.419	-3.733	-4.047	-4.361	-4.675	-4.989
50.0	0.500	-2.572	-2.572	-2.886	-3.200	-3.514	-3.828	-4.142	-4.456	-4.770	-5.084
55.0	0.550	-2.667	-2.667	-2.981	-3.295	-3.609	-3.923	-4.237	-4.551	-4.865	-5.179
60.0	0.600	-2.762	-2.762	-3.076	-3.390	-3.704	-4.018	-4.332	-4.646	-4.960	-5.274
65.0	0.650	-2.857	-2.857	-3.171	-3.485	-3.799	-4.113	-4.427	-4.741	-5.055	-5.369
70.0	0.700	-2.952	-2.952	-3.266	-3.580	-3.894	-4.208	-4.522	-4.836	-5.150	-5.464
75.0	0.750	-3.047	-3.047	-3.361	-3.675	-3.989	-4.303	-4.617	-4.931	-5.245	-5.559
80.0	0.800	-3.142	-3.142	-3.456	-3.770	-4.084	-4.398	-4.712	-5.026	-5.340	-5.654
85.0	0.850	-3.237	-3.237	-3.551	-3.865	-4.179	-4.493	-4.807	-5.121	-5.435	-5.749
90.0	0.900	-3.332	-3.332	-3.646	-3.960	-4.274	-4.588	-4.902	-5.216	-5.530	-5.844
95.0	0.950	-3.427	-3.427	-3.741	-4.055	-4.369	-4.683	-5.007	-5.321	-5.635	-5.949
100.0	1.00000	-3.522	-3.522	-3.836	-4.150	-4.464	-4.779	-5.093	-5.407	-5.721	-6.035

MINE 122 POINT 8 ALPMA 12.00 PSI 0.00 MEIUMT 84.87		BP 2		BP 6		BP 12		BP 16		BP 22	
L/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0	0.00000	1.445	-2.083	-2.647	-3.211	-3.775	-4.339	-4.903	-5.467	-6.031	-6.595
2.5	0.025	-1.750	-1.750	-2.064	-2.378	-2.692	-3.006	-3.320	-3.634	-3.948	-4.262
5.0	0.050	-2.055	-2.055	-2.369	-2.683	-3.007	-3.321	-3.635	-3.949	-4.263	-4.577
10.0	0.100	-2.360	-2.360	-2.674	-2.988	-3.302	-3.616	-3.930	-4.244	-4.558	-4.872
15.0	0.150	-2.665	-2.665	-2.979	-3.293	-3.607	-3.921	-4.235	-4.549	-4.863	-5.177
20.0	0.200	-2.970	-2.970	-3.284	-3.598	-3.912	-4.226	-4.540	-4.854	-5.168	-5.482
25.0	0.250	-3.275	-3.275	-3.589	-3.903	-4.217	-4.531	-4.845	-5.159	-5.473	-5.787
30.0	0.300	-3.580	-3.580	-3.894	-4.208	-4.522	-4.836	-5.150	-5.464	-5.778	-6.092
35.0	0.350	-3.885	-3.885	-4.199	-4.513	-4.827	-5.141	-5.455	-5.769	-6.083	-6.397
40.0	0.400	-4.190	-4.190	-4.504	-4.818	-5.132	-5.446	-5.760	-6.074	-6.388	-6.702
45.0	0.450	-4.495	-4.495	-4.809	-5.123	-5.437	-5.751	-6.065	-6.379	-6.693	-7.007
50.0	0.500	-4.800	-4.800	-5.114	-5.428	-5.742	-6.056	-6.370	-6.684	-6.998	-7.312
55.0	0.550	-5.105	-5.105	-5.419	-5.733	-6.047	-6.361	-6.675	-6.989	-7.303	-7.617
60.0	0.600	-5.410	-5.410	-5.724	-6.038	-6.352	-6.666	-6.980	-7.294	-7.608	-7.922
65.0	0.650	-5.715	-5.715	-6.029	-6.343	-6.657	-6.971	-7.285	-7.599	-7.913	-8.227
70.0	0.700	-6.020	-6.020	-6.334	-6.648	-6.962	-7.276	-7.590	-7.904	-8.218	-8.532
75.0	0.750	-6.325	-6.325	-6.639	-6.953	-7.267	-7.581	-7.895	-8.209	-8.523	-8.837
80.0	0.800	-6.630	-6.630	-6.944	-7.258	-7.572	-7.886	-8.200	-8.514	-8.828	-9.142
85.0	0.850	-6.935	-6.935	-7.249	-7.563	-7.877	-8.191	-8.505	-8.819	-9.133	-9.447
90.0	0.900	-7.240	-7.240	-7.554	-7.868	-8.182	-8.496	-8.810	-9.124	-9.438	-9.752
95.0	0.950	-7.545	-7.545	-7.859	-8.173	-8.487	-8.801	-9.115	-9.429	-9.743	-10.057
100.0	1.00000	-7.850	-7.850	-8.164	-8.478	-8.792	-9.106	-9.420	-9.734	-10.048	-10.362

MINE PRESSURE COEFFICIENTS

MINE 122 POINT 13 ALPMA 21.00 PSI 0.00 MEIUMT 86.00		BP 2		BP 6		BP 12		BP 16		BP 22	
L/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0	0.00000	1.879	-2.517	-3.081	-3.645	-4.209	-4.773	-5.337	-5.901	-6.465	-7.029
2.5	0.025	-2.184	-2.184	-2.498	-2.812	-3.126	-3.440	-3.754	-4.068	-4.382	-4.696
5.0	0.050	-2.489	-2.489	-2.803	-3.117	-3.431	-3.745	-4.059	-4.373	-4.687	-5.001
10.0	0.100	-2.794	-2.794	-3.108	-3.422	-3.736	-4.050	-4.364	-4.678	-4.992	-5.306
15.0	0.150	-3.099	-3.099	-3.413	-3.727	-4.041	-4.355	-4.669	-4.983	-5.297	-5.611
20.0	0.200	-3.404	-3.404	-3.718	-4.032	-4.346	-4.660	-4.974	-5.288	-5.602	-5.916
25.0	0.250	-3.709	-3.709	-4.023	-4.337	-4.651	-4.965	-5.279	-5.593	-5.907	-6.221
30.0	0.300	-4.014	-4.014	-4.328	-4.642	-4.956	-5.270	-5.584	-5.898	-6.212	-6.526
35.0	0.350	-4.319	-4.319	-4.633	-4.947	-5.261	-5.575	-5.889	-6.203	-6.517	-6.831
40.0	0.400	-4.624	-4.624	-4.938	-5.252	-5.566	-5.880	-6.194	-6.508	-6.822	-7.136
45.0	0.450	-4.929	-4.929	-5.243	-5.557	-5.871	-6.185	-6.499	-6.813	-7.127	-7.441
50.0	0.500	-5.234	-5.234	-5.548	-5.862	-6.176	-6.490	-6.804	-7.118	-7.432	-7.746
55.0	0.550	-5.539	-5.539	-5.853	-6.167	-6.481	-6.795	-7.109	-7.423	-7.737	-8.051
60.0	0.600	-5.844	-5.844	-6.158	-6.472	-6.786	-7.100	-7.414	-7.728	-8.042	-8.356
65.0	0.650	-6.149	-6.149	-6.463	-6.777	-7.091	-7.405	-7.719	-8.033	-8.347	-8.661
70.0	0.700	-6.454	-6.454	-6.768	-7.082	-7.396	-7.710	-8.024	-8.338	-8.652	-8.966
75.0	0.750	-6.759	-6.759	-7.073	-7.387	-7.701	-8.015	-8.329	-8.643	-8.957	-9.271
80.0	0.800	-7.064	-7.064	-7.378	-7.692	-8.006	-8.320	-8.634	-8.948	-9.262	-9.576
85.0	0.850	-7.369	-7.369	-7.683	-8.007	-8.321	-8.635	-8.949	-9.263	-9.577	-9.891
90.0	0.900	-7.674	-7.674	-7.988	-8.312	-8.626	-8.940	-9.254	-9.568	-9.882	-10.196
95.0	0.950	-7.979	-7.979	-8.293	-8.617	-8.931	-9.245	-9.559	-9.873	-10.187	-10.501
100.0	1.00000	-8.284	-8.284	-8.598	-8.922	-9.236	-9.550	-9.864	-10.178	-10.492	-10.806

MINE 122 POINT 15 ALPMA 0.00 PSI 0.01 MEIUMT 86.93											
L/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0	0.00000	-0.126	-0.262	-0.398	-0.534	-0.670	-0.806	-0.942	-1.078	-1.214	-1.350
2.5	0.025	-0.261	-0.261	-0.397	-0.533	-0.669	-0.805	-0.941	-1.077	-1.213	-1.349
5.0	0.050	-0.516	-0.516	-0.652	-0.788	-0.924	-1.060	-1.196	-1.332	-1.468	-1.604
10.0	0.100	-0.771	-0.771	-0.907	-1.043	-1.179	-1.315	-1.451	-1.587	-1.723	-1.859
15.0	0.150	-1.026	-1.026	-1.162	-1.298	-1.434	-1.570	-1.706	-1.842	-1.978	-2.114
20.0	0.200	-1.281	-1.281	-1.417	-1.553	-1.689	-1.825	-1.961	-2.097	-2.233	-2.369
25.0	0.250	-1.536	-1.536	-1.672	-1.808	-1.944	-2.080	-2.216	-2.352	-2.488	-2.624
30.0	0.300	-1.791	-1.791	-1.927	-2.063	-2.199	-2.335	-2.471	-2.607	-2.743	-2.879
35.0	0.350	-2.046	-2.046	-2.182	-2.318	-2.454	-2.590	-2.726	-2.862	-3.008	-3.144
40.0	0.400	-2.301	-2.301	-2.437	-2.573	-2.709	-2.845	-2.981	-3.117	-3.253	-3.389
45.0	0.450	-2.556	-2.556	-2.692	-2.828	-2.964	-3.100	-3.236	-3.372	-3.508	-3.644
50.0	0.500	-2.811	-2.811	-2.947	-3.083	-3.219	-3.355	-3.491	-3.627	-3.763	-3.899
55.0	0.550	-3.066	-3.066	-3.202	-3.338	-3.474	-3.610	-3.746	-3.882	-4.018	-4.154
60.0	0.600	-3.321	-3.321	-3.457	-3.593	-3.729	-3.865	-4.001	-4.137	-4.273	-4.409
65.0	0.650	-3.576	-3.576	-3.712	-3.848	-3.984	-4.120	-4.256	-4.392	-4.528	-4.664
70.0	0.700	-3.831	-3.831	-3.967	-4.103	-4.239	-4.375	-4.511	-4.647	-4.783	-4.919
75.0	0.750	-4.086	-4.086	-4.222	-4.358	-4.494	-4.630	-4.766	-4.902	-5.038	-5.174
80.0	0.800	-4.341	-4.341	-4.477	-4.613	-4.749	-4.885	-5.021	-5.157	-5.293	-5.429
85.0	0.850	-4.596	-4.596	-4.732	-4.868	-5.004	-5.140	-5.276	-5.412	-5.548	-5.684
90.0	0.900	-4.851	-4.851	-4.9							
95.0	0.950	-5.106	-5.106	-5.242	-5.378	-5.514	-5.650	-5.786	-5.922	-6.058	-6.194
100.0	1.000	-5.361	-5.361	-5.497	-5.633	-5.769	-5.905	-6.041	-6.177	-6.313	-6.449
L/C (CONT.)											
2.5	0.025	-0.261	-0.261	-0.397	-0.533	-0.669	-0.805	-0.941	-1.077	-1.213	-1.349
5.0	0.050	-0.516	-0.516	-0.652	-0.788	-0.924	-1.060	-1.196	-1.332	-1.468	-1.604
10.0	0.100	-0.771	-0.771	-0.907	-1.043	-1.179	-1.315	-1.451	-1.587	-1.723	-1.859
15.0	0.150	-1.026	-1.026	-1.162	-1.298	-1.434	-1.570	-1.706	-1.842	-1.978	-2.114
20.0	0.200	-1.281	-1.281	-1.417	-1.553	-1.689	-1.825	-1.961	-2.097	-2.233	-2.369
25.0	0.250	-1.536	-1.536	-1.672	-1.808	-1.944	-2.080	-2.216	-2.352	-2.488	-2.624
30.0	0.300	-1.791	-1.791	-1.927	-2.063	-2.199	-2.335	-2.471	-2.607	-2.743	-2.879
35.0	0.350	-2.046	-2.046	-2.182	-2.318	-2.454	-2.590	-2.726	-2.862	-3.008	-3.144
40.0	0.400	-2.301	-2.301	-2.437	-2.573	-2.709	-2.845	-2.981	-3.117	-3.253	-3.389
45.0	0.450	-2.556	-2.556	-2.692	-2.828	-2.964	-3.100	-3.236	-3.372	-3.508	-3.644
50.0	0.500	-2.811	-2.811	-2.947	-3.083	-3.219	-3.355	-3.491	-3.627	-3.763	-3.899
55.0	0.550	-3.066	-3.066	-3.202	-3.338	-3.474	-3.610	-3.746	-3.882	-4.018	-4.154
60.0	0.600	-3.321	-3.321	-3.457	-3.593	-3.729	-3.865	-4.001	-4.137	-4.273	-4.409
65.0	0.650	-3.576	-3.576	-3.712	-3.848	-3.984	-4.120	-4.256	-4.392	-4.528	-4.664
70.0	0.700	-3.831	-3.831	-3.967	-4.103	-4.239	-4.375	-4.511	-4.647	-4.783	-4.919
75.0	0.750	-4.086	-4.086	-4.222	-4.358	-4.494	-4.630	-4.766	-4.902	-5.038	-5.174
80.0	0.800	-4.341	-4.341	-4.477	-4.613	-4.749	-4.885	-5.021	-5.157	-5.293	-5.429
85.0	0.850	-4.596	-4.596	-4.732	-4.868	-5.004	-5.140	-5.276	-5.412	-5.548	-5.684
90.0	0.900	-4.851	-4.851	-4.9							
95.0	0.950	-5.106	-5.106	-5.242	-5.378	-5.514	-5.650	-5.786	-5.922	-6.058	-6.194
100.0	1.000	-5.361	-5.361	-5.497	-5.633	-5.769	-5.905	-6.041	-6.177	-6.313	-6.449

MINI PRESSURE COEFFICIENTS

MINI 230 POINT 10 ALPHA 4.00 PSI 0.01 INCHES 87.75									
L/C %									
0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
0.0000	0.145	0.172	0.198	0.214	0.230	0.246	0.262	0.278	0.294
2.5	0.172	0.198	0.224	0.250	0.276	0.302	0.328	0.354	0.380
5.0	0.198	0.224	0.250	0.276	0.302	0.328	0.354	0.380	0.406
7.5	0.224	0.250	0.276	0.302	0.328	0.354	0.380	0.406	0.432
10.0	0.250	0.276	0.302	0.328	0.354	0.380	0.406	0.432	0.458
12.5	0.276	0.302	0.328	0.354	0.380	0.406	0.432	0.458	0.484
15.0	0.302	0.328	0.354	0.380	0.406	0.432	0.458	0.484	0.510
17.5	0.328	0.354	0.380	0.406	0.432	0.458	0.484	0.510	0.536
20.0	0.354	0.380	0.406	0.432	0.458	0.484	0.510	0.536	0.562
22.5	0.380	0.406	0.432	0.458	0.484	0.510	0.536	0.562	0.588
25.0	0.406	0.432	0.458	0.484	0.510	0.536	0.562	0.588	0.614
27.5	0.432	0.458	0.484	0.510	0.536	0.562	0.588	0.614	0.640
30.0	0.458	0.484	0.510	0.536	0.562	0.588	0.614	0.640	0.666
32.5	0.484	0.510	0.536	0.562	0.588	0.614	0.640	0.666	0.692
35.0	0.510	0.536	0.562	0.588	0.614	0.640	0.666	0.692	0.718
37.5	0.536	0.562	0.588	0.614	0.640	0.666	0.692	0.718	0.744
40.0	0.562	0.588	0.614	0.640	0.666	0.692	0.718	0.744	0.770
42.5	0.588	0.614	0.640	0.666	0.692	0.718	0.744	0.770	0.796
45.0	0.614	0.640	0.666	0.692	0.718	0.744	0.770	0.796	0.822
47.5	0.640	0.666	0.692	0.718	0.744	0.770	0.796	0.822	0.848
50.0	0.666	0.692	0.718	0.744	0.770	0.796	0.822	0.848	0.874
52.5	0.692	0.718	0.744	0.770	0.796	0.822	0.848	0.874	0.900
55.0	0.718	0.744	0.770	0.796	0.822	0.848	0.874	0.900	0.926
57.5	0.744	0.770	0.796	0.822	0.848	0.874	0.900	0.926	0.952
60.0	0.770	0.796	0.822	0.848	0.874	0.900	0.926	0.952	0.978
62.5	0.796	0.822	0.848	0.874	0.900	0.926	0.952	0.978	1.004
65.0	0.822	0.848	0.874	0.900	0.926	0.952	0.978	1.004	1.030
67.5	0.848	0.874	0.900	0.926	0.952	0.978	1.004	1.030	1.056
70.0	0.874	0.900	0.926	0.952	0.978	1.004	1.030	1.056	1.082
72.5	0.900	0.926	0.952	0.978	1.004	1.030	1.056	1.082	1.108
75.0	0.926	0.952	0.978	1.004	1.030	1.056	1.082	1.108	1.134
77.5	0.952	0.978	1.004	1.030	1.056	1.082	1.108	1.134	1.160
80.0	0.978	1.004	1.030	1.056	1.082	1.108	1.134	1.160	1.186
82.5	1.004	1.030	1.056	1.082	1.108	1.134	1.160	1.186	1.212
85.0	1.030	1.056	1.082	1.108	1.134	1.160	1.186	1.212	1.238
87.5	1.056	1.082	1.108	1.134	1.160	1.186	1.212	1.238	1.264
90.0	1.082	1.108	1.134	1.160	1.186	1.212	1.238	1.264	1.290
92.5	1.108	1.134	1.160	1.186	1.212	1.238	1.264	1.290	1.316
95.0	1.134	1.160	1.186	1.212	1.238	1.264	1.290	1.316	1.342
97.5	1.160	1.186	1.212	1.238	1.264	1.290	1.316	1.342	1.368
100.0	1.186	1.212	1.238	1.264	1.290	1.316	1.342	1.368	1.394

MINI PRESSURE COEFFICIENTS

MINI 230 POINT 10 ALPHA 12.00 PSI 0.01 INCHES 87.75									
L/C %									
0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
0.0000	0.201	0.241	0.281	0.321	0.361	0.401	0.441	0.481	0.521
2.5	0.241	0.281	0.321	0.361	0.401	0.441	0.481	0.521	0.561
5.0	0.281	0.321	0.361	0.401	0.441	0.481	0.521	0.561	0.601
7.5	0.321	0.361	0.401	0.441	0.481	0.521	0.561	0.601	0.641
10.0	0.361	0.401	0.441	0.481	0.521	0.561	0.601	0.641	0.681
12.5	0.401	0.441	0.481	0.521	0.561	0.601	0.641	0.681	0.721
15.0	0.441	0.481	0.521	0.561	0.601	0.641	0.681	0.721	0.761
17.5	0.481	0.521	0.561	0.601	0.641	0.681	0.721	0.761	0.801
20.0	0.521	0.561	0.601	0.641	0.681	0.721	0.761	0.801	0.841
22.5	0.561	0.601	0.641	0.681	0.721	0.761	0.801	0.841	0.881
25.0	0.601	0.641	0.681	0.721	0.761	0.801	0.841	0.881	0.921
27.5	0.641	0.681	0.721	0.761	0.801	0.841	0.881	0.921	0.961
30.0	0.681	0.721	0.761	0.801	0.841	0.881	0.921	0.961	1.001
32.5	0.721	0.761	0.801	0.841	0.881	0.921	0.961	1.001	1.041
35.0	0.761	0.801	0.841	0.881	0.921	0.961	1.001	1.041	1.081
37.5	0.801	0.841	0.881	0.921	0.961	1.001	1.041	1.081	1.121
40.0	0.841	0.881	0.921	0.961	1.001	1.041	1.081	1.121	1.161
42.5	0.881	0.921	0.961	1.001	1.041	1.081	1.121	1.161	1.201
45.0	0.921	0.961	1.001	1.041	1.081	1.121	1.161	1.201	1.241
47.5	0.961	1.001	1.041	1.081	1.121	1.161	1.201	1.241	1.281
50.0	1.001	1.041	1.081	1.121	1.161	1.201	1.241	1.281	1.321
52.5	1.041	1.081	1.121	1.161	1.201	1.241	1.281	1.321	1.361
55.0	1.081	1.121	1.161	1.201	1.241	1.281	1.321	1.361	1.401
57.5	1.121	1.161	1.201	1.241	1.281	1.321	1.361	1.401	1.441
60.0	1.161	1.201	1.241	1.281	1.321	1.361	1.401	1.441	1.481
62.5	1.201	1.241	1.281	1.321	1.361	1.401	1.441	1.481	1.521
65.0	1.241	1.281	1.321	1.361	1.401	1.441	1.481	1.521	1.561
67.5	1.281	1.321	1.361	1.401	1.441	1.481	1.521	1.561	1.601
70.0	1.321	1.361	1.401	1.441	1.481	1.521	1.561	1.601	1.641
72.5	1.361	1.401	1.441	1.481	1.521	1.561	1.601	1.641	1.681
75.0	1.401	1.441	1.481	1.521	1.561	1.601	1.641	1.681	1.721
77.5	1.441	1.481	1.521	1.561	1.601	1.641	1.681	1.721	1.761
80.0	1.481	1.521	1.561	1.601	1.641	1.681	1.721	1.761	1.801
82.5	1.521	1.561	1.601	1.641	1.681	1.721	1.761	1.801	1.841
85.0	1.561	1.601	1.641	1.681	1.721	1.761	1.801	1.841	1.881
87.5	1.601	1.641	1.681	1.721	1.761	1.801	1.841	1.881	1.921
90.0	1.641	1.681	1.721	1.761	1.801	1.841	1.881	1.921	1.961
92.5	1.681	1.721	1.761	1.801	1.841	1.881	1.921	1.961	2.001
95.0	1.721	1.761	1.801	1.841	1.881	1.921	1.961	2.001	2.041
97.5	1.761	1.801	1.841	1.881	1.921	1.961	2.001	2.041	2.081
100.0	1.801	1.841	1.881	1.921	1.961	2.001	2.041	2.081	2.121

MINI 230 POINT 17 ALPHA 8.07 PSI 0.01 INCHES 84.57

L/C %	BP 2	BP 6	BP 12	BP 18	BP 22	L/C %	BP 2	BP 6	BP 12	BP 18	BP 22
0.0 (upper)	0.284	0.139	-1.132	-2.262	-2.172	0.0 (upper)	-4.322	-0.729	-2.522	-1.561	-1.291
2.5	-0.060	-0.260	-0.895	-1.481	-1.795	2.5	-1.112	-0.547	-2.075	-1.075	-1.297
5.0	-0.190	-0.322	-0.789	-1.060	-1.710	5.0	-1.326	-0.469	-2.718	-1.062	-1.264
7.5	-0.188	-0.278	-0.604	-0.482	-1.545	10.0	-1.054	-1.151	-2.084	-1.099	-1.334
10.0	-0.213	-0.234	-0.376	-0.370	-1.004	15.0	-0.905	-1.021	-2.728	-2.095	-1.295
12.5	-0.280	-0.280	-0.448	-0.560	-0.807	20.0	-0.758	-0.820	-1.908	-2.095	-1.275
15.0	-0.286	-0.371	-0.428	-0.468	-0.483	25.0	-0.684	-0.754	-1.368	-1.887	-1.300
17.5	-0.041	-0.779	-0.467	-0.012	-0.480	30.0	-0.113	-0.833	-0.834	-1.044	-1.355
20.0	-0.038	-0.503	-0.379	-0.371	-0.827	35.0	0.014	-0.701	-0.660	-1.004	-1.340
22.5	0.037	-1.054	1.071	-1.078	-1.260	40.0	0.012	-1.290	-1.248	-1.111	-1.387
25.0	1.260	-1.260	-1.170	-1.181	-1.824	45.0	-1.457	-1.487	-1.260	-1.238	-0.637
27.5	-1.178	-0.079	-1.000	-1.060	-1.660	50.0	-1.417	-1.263	-1.234	-1.258	-1.263
30.0	-1.128	-0.287	-1.071	-1.053	-1.813	55.0	-1.257	-0.399	-1.181	-1.259	-1.287
32.5	-1.048	-0.668	-0.862	-0.839	-1.801	60.0	-1.166	-1.227	-1.106	-1.231	-1.287
35.0	-0.818	-0.687	-0.894	-0.930	-1.801	65.0	-0.857	-1.000	-0.907	-1.129	-1.347
37.5	-0.686	-0.779	-0.745	-0.855	-1.823	70.0	-0.760	-0.993	-0.993	-1.026	-1.173
40.0	-0.060	-0.834	-0.638	-0.730	-1.280	75.0	-0.651	-0.786	-0.781	-0.960	-1.121
42.5	-0.516	-0.827	-0.556	-0.642	-0.645	80.0	-0.578	-0.817	-0.718	-0.826	-0.912
45.0	-0.452	-0.456	-0.502	-0.572	-0.847	85.0	-0.515	-0.530	-0.872	-0.793	-1.028
47.5	-0.318	-0.180	-0.348	-0.421	-0.535	90.0	-0.353	-0.372	-0.563	-0.648	-0.894
50.0	0.075	0.082	-0.282	-0.485	-0.502	95.0	0.046	-0.452	-0.389	-0.372	-0.485
52.5	0.061	0.153	0.330	0.411	0.430	100.0	0.045	0.067	0.504	0.353	-0.485
55.0	0.160	0.180	0.268	0.311	0.311	10.0	0.326	0.810	0.508	0.593	0.488
57.5	0.117	0.128	0.195	0.260	0.140	15.0	0.488	0.651	0.591	0.472	0.328
60.0	0.160	0.163	0.168	0.216	0.045	20.0	0.427	0.451	0.452	0.443	0.618
62.5	0.212	0.276	0.253	0.072	0.127	25.0	0.288	0.607	0.604	0.154	0.149
65.0	0.234	0.510	0.541	0.117	0.427	30.0	0.253	0.818	0.603	0.004	0.208
67.5	0.523	0.022	0.645	0.568	0.750	35.0	0.682	0.730	0.018	0.870	0.460
70.0	0.298	0.245	0.337	0.319	0.187	40.0	0.401	0.415	0.348	0.265	0.107

MINE PRESSURE COEFFICIENTS

NAME	331	POINT	0	ALPHA	0.01	PSI	0.01	HEIGHT	87.80	BP 2	BP 3	BP 6	BP 12	BP 16	BP 22
1/C	5														
0.0	0.0000														
2.5	0.758														
5.0	0.527														
10.0	0.344														
15.0	0.264														
20.0	0.218														
25.0	0.181														
30.0	0.152														
35.0	0.128														
40.0	0.108														
45.0	0.091														
50.0	0.076														
55.0	0.063														
60.0	0.052														
65.0	0.043														
70.0	0.036														
75.0	0.030														
80.0	0.025														
85.0	0.021														
90.0	0.018														
95.0	0.015														
100.0	0.013														

MINE PRESSURE COEFFICIENTS

NAME	331	POINT	0	ALPHA	0.01	PSI	0.01	HEIGHT	87.10	BP 2	BP 3	BP 6	BP 12	BP 16	BP 22
1/C	5														
0.0	0.0000														
2.5	0.758														
5.0	0.527														
10.0	0.344														
15.0	0.264														
20.0	0.218														
25.0	0.181														
30.0	0.152														
35.0	0.128														
40.0	0.108														
45.0	0.091														
50.0	0.076														
55.0	0.063														
60.0	0.052														
65.0	0.043														
70.0	0.036														
75.0	0.030														
80.0	0.025														
85.0	0.021														
90.0	0.018														
95.0	0.015														
100.0	0.013														

MINE PRESSURE COEFFICIENTS

NAME	331	POINT	0	ALPHA	0.01	PSI	0.01	HEIGHT	88.51	BP 2	BP 3	BP 6	BP 12	BP 16	BP 22
1/C	5														
0.0	0.0000														
2.5	0.758														
5.0	0.527														
10.0	0.344														
15.0	0.264														
20.0	0.218														
25.0	0.181														
30.0	0.152														
35.0	0.128														
40.0	0.108														
45.0	0.091														
50.0	0.076														
55.0	0.063														
60.0	0.052														
65.0	0.043														
70.0	0.036														
75.0	0.030														
80.0	0.025														
85.0	0.021														
90.0	0.018														
95.0	0.015														
100.0	0.013														

MINE PRESSURE COEFFICIENTS

NAME	331	POINT	0	ALPHA	0.01	PSI	0.01	HEIGHT	87.92	BP 2	BP 3	BP 6	BP 12	BP 16	BP 22
1/C	5														
0.0	0.0000														
2.5	0.758														
5.0	0.527														
10.0	0.344														
15.0	0.264														
20.0	0.218														
25.0	0.181														
30.0	0.152														
35.0	0.128														
40.0	0.108														
45.0	0.091														
50.0	0.076														
55.0	0.063														
60.0	0.052														
65.0	0.043														
70.0	0.036														
75.0	0.030														
80.0	0.025														
85.0	0.021														
90.0	0.018														
95.0	0.015														
100.0	0.013														

WING PRESSURE COEFFICIENTS

WING 232 POINT 6 ALPHA 12.00 PSI 0.01 HEIGHT 88.79	BP 2	BP 6	BP 12	BP 16	BP 22
L/C, %					
0.0 (UPPER)	-0.526	-0.516	-1.123	-1.824	-5.937
2.5	0.449	0.247	-1.064	-1.338	-2.784
5.0	0.448	0.161	-1.275	-1.208	-1.881
10.0	0.284	0.060	-1.441	-1.218	-1.558
15.0	0.153	-0.211	-1.385	-1.221	-1.143
20.0	-0.228	-0.348	-1.458	-1.392	-1.131
24.0	-0.348	-0.504	-1.428	-1.478	-1.182
33.0	-1.483	-0.866	-1.667	-0.778	-1.260
54.0	-0.198	-0.878	-1.710	-2.154	-1.834
85.0	-0.231	-3.384	-4.087	-4.380	-4.669
100.0	-0.977	-78.978	-77.065	-83.203	-37.788
0.0 (LOWER)	-0.308	-0.403	-7.077	-12.888	-0.587
2.5	-3.305	-3.277	-3.378	-3.283	-7.876
5.0	-0.289	-2.074	1.904	-3.635	-4.250
10.0	-4.481	-2.838	-2.856	-4.183	-2.863
15.0	-0.692	-3.324	-1.554	-3.042	-1.521
20.0	-1.054	-1.762	-4.904	-2.816	-1.540
24.0	-0.782	-1.518	-1.955	-3.284	-0.117
33.0	-1.026	-1.400	-0.443	-3.954	-2.873
54.0	-0.863	-0.582	-0.605	-0.830	-0.871
85.0	-0.828	-1.88	-0.886	-0.818	-0.545
100.0	-0.421	-0.451	-0.701	-0.437	0.284
0.0 (UPPER)	-0.421	-0.430	-0.717	-0.331	0.195
2.5	-0.641	-0.564	-0.527	-0.348	0.626
5.0	-0.452	-0.538	-0.418	-0.186	-0.954
10.0	-0.307	-0.307	-0.147	-0.718	-2.250
15.0	-1.728	-0.950	-0.090	-0.254	0.288
20.0	0.186	-0.212	-0.110	0.838	0.588
24.0	0.280	0.235	0.448	0.574	0.464

WING PRESSURE COEFFICIENTS

WING 233 POINT 2 ALPHA 0.95 PSI 0.01 HEIGHT 88.73	BP 2	BP 6	BP 12	BP 16	BP 22
L/C, %					
0.0 (UPPER)	-0.728	-0.664	-0.954	-0.818	-0.130
2.5	0.781	0.724	-0.067	-0.557	-1.223
5.0	0.784	0.688	-0.045	-0.612	-1.140
10.0	0.613	0.482	-0.116	-0.662	-0.930
15.0	0.388	0.277	-0.260	-0.662	-0.908
20.0	0.184	0.146	-0.380	-0.731	-0.828
24.0	-0.121	-0.247	-0.533	-0.887	-0.837
33.0	-0.191	-0.055	-0.600	-1.811	-1.114
54.0	-3.253	-1.046	-1.182	-1.483	-1.545
85.0	-0.254	-3.423	-4.038	-4.213	-4.710
100.0	-105.974	-131.945	-113.788	-98.582	-80.050
0.0 (LOWER)	-2.715	-10.188	-10.408	-10.383	-0.315
2.5	-4.180	-4.180	-2.200	-3.229	-0.883
5.0	-8.050	-4.483	-8.785	-3.525	-2.200
10.0	-0.001	-4.873	-8.018	-2.976	-2.200
15.0	-8.724	-1.500	-8.274	-2.124	-0.210
20.0	-0.421	-1.476	-0.964	-3.312	-0.261
24.0	-0.860	-1.545	-1.028	-2.255	-3.110
33.0	-0.840	-0.713	-2.230	-0.888	-0.212
54.0	-0.887	-0.707	-0.801	-0.856	-0.367
85.0	-0.750	-0.873	-0.808	-0.842	-0.482
100.0	-0.758	-0.873	-0.808	-0.842	-0.482
0.0 (UPPER)	-0.840	-0.807	-0.814	-0.831	-0.312
2.5	-0.045	-0.862	-0.875	-1.588	-3.236
5.0	-3.224	-0.743	-0.768	-1.158	-0.370
10.0	-0.478	-0.833	-0.218	-0.154	0.680
15.0	-0.452	-0.424	-0.487	-0.181	0.384

WING 232 POINT 13 ALPHA 22.02 PSI 0.01 HEIGHT 85.95

L/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-2.484	-0.848	-1.667	-0.488	-5.815
2.5	0.456	-0.185	-1.243	-2.185	-8.320
5.0	0.178	-0.380	-1.331	-2.588	-6.310
10.0	-0.060	-0.512	-1.378	-2.093	-6.081
15.0	-0.220	-0.847	-1.323	-1.888	-3.320
20.0	-0.835	-0.874	-1.460	-1.861	-2.485
24.0	-0.745	-1.128	-1.578	-1.774	-2.143
33.0	-1.325	-0.861	-2.043	-0.473	-2.635
54.0	-0.397	-1.463	-2.261	-2.348	-2.352
85.0	-0.359	-2.851	-4.815	-4.904	-5.850
100.0	-65.418	-78.528	-72.084	-83.330	-18.632
0.0 (LOWER)	-0.832	-0.932	-7.114	-13.405	-0.640
2.5	-4.045	-3.081	-4.121	-5.876	-8.858
5.0	-0.480	-2.595	-3.180	-3.867	-3.737
10.0	-5.318	-4.728	-4.178	-4.456	-3.737
15.0	-1.530	-3.214	-1.931	-3.160	-1.984
20.0	-1.870	-2.161	-5.284	-2.830	-1.851
24.0	-1.257	-1.691	-1.530	-3.225	-0.720
33.0	-1.360	-1.681	-0.816	-0.843	-2.787
54.0	-1.111	-0.841	-0.828	-0.584	-0.870
85.0	-1.272	-0.788	-0.337	-0.364	-0.408
100.0	-0.760	-0.780	-0.048	0.680	0.110
0.0 (UPPER)	-0.178	-0.280	-0.093	0.224	0.181
2.5	0.288	0.187	0.224	0.288	0.273
5.0	0.482	0.260	0.345	-0.421	-2.131
10.0	-1.535	0.370	-0.470	-0.090	0.082
15.0	0.325	0.840	-0.224	0.703	0.285
20.0	0.320	0.540	0.879	0.877	0.253

WING 233 POINT 4 ALPHA 4.08 PSI 0.01 HEIGHT 87.32

L/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.880	-0.814	-0.975	-1.032	-1.043
2.5	0.738	0.555	-0.854	-0.810	-1.615
5.0	0.855	0.527	-0.578	-0.840	-1.382
10.0	0.553	0.351	-0.509	-0.971	-1.058
15.0	0.280	0.276	-0.640	-1.025	-1.018
20.0	0.110	0.046	-0.767	-1.048	-0.932
24.0	-0.178	-0.260	-0.780	-1.236	-0.947
33.0	-0.225	-0.775	-0.868	-1.519	-1.243
54.0	-3.238	-1.608	-1.278	-1.788	-1.080
85.0	-0.233	-3.488	-4.653	-4.458	-4.731
100.0	-145.686	-130.908	-114.288	-100.828	-82.022
0.0 (LOWER)	-2.701	-7.820	-10.486	-10.837	-0.425
2.5	-4.482	-1.538	-8.883	-3.311	-2.858
5.0	-3.818	-4.358	-6.861	-3.024	-2.322
10.0	-0.158	-4.826	-0.952	-3.170	-0.468
15.0	-0.825	-1.406	-0.318	-3.287	-0.071
20.0	-0.275	-1.571	0.003	-3.440	-0.240
24.0	-0.842	-1.700	0.860	-0.930	-3.384
33.0	-1.312	-1.302	-1.000	-1.985	-1.573
54.0	-0.828	-0.848	-0.973	-0.950	-0.038
85.0	-0.787	-0.845	-2.882	-0.936	-0.220
100.0	-0.863	-0.823	-0.901	-0.932	-0.354
0.0 (UPPER)	-0.803	-0.930	-0.888	-0.908	-0.518
2.5	-1.043	-0.877	-0.991	-0.855	-0.289
5.0	-0.482	-0.880	-0.901	-1.525	-3.789
10.0	-3.181	-0.609	-0.814	-1.023	-3.789
15.0	-0.343	-0.471	-0.258	-0.010	0.348
20.0	-0.398	-0.348	-0.300	-0.011	0.283

WING PRESSURE COEFFICIENTS

WING 233 POINT 0 ALPHA 0.04 PSI 0.01 HEIGHT 00.04

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.859	-0.818	-1.090	-1.447	-1.910
2.5	0.711	0.407	-1.150	-1.352	-1.910
5.0	0.611	0.373	-1.224	-1.309	-1.910
10.0	0.501	0.291	-1.220	-1.260	-1.910
15.0	0.321	0.205	-1.247	-1.311	-1.910
20.0	0.041	0.073	-1.175	-1.308	-1.910
25.0	-0.211	-0.384	-1.171	-1.308	-1.910
30.0	-0.217	-0.795	-1.173	-1.308	-1.910
35.0	-0.246	-1.027	-1.173	-1.308	-1.910
40.0	-0.246	-1.027	-1.173	-1.308	-1.910
45.0	-0.246	-1.027	-1.173	-1.308	-1.910
50.0	-0.246	-1.027	-1.173	-1.308	-1.910
55.0	-0.246	-1.027	-1.173	-1.308	-1.910
60.0	-0.246	-1.027	-1.173	-1.308	-1.910
65.0	-0.246	-1.027	-1.173	-1.308	-1.910
70.0	-0.246	-1.027	-1.173	-1.308	-1.910
75.0	-0.246	-1.027	-1.173	-1.308	-1.910
80.0	-0.246	-1.027	-1.173	-1.308	-1.910
85.0	-0.246	-1.027	-1.173	-1.308	-1.910
90.0	-0.246	-1.027	-1.173	-1.308	-1.910
95.0	-0.246	-1.027	-1.173	-1.308	-1.910
100.0	-0.246	-1.027	-1.173	-1.308	-1.910
2.5 (LOWER)	-0.859	-0.818	-1.090	-1.447	-1.910
5.0	-0.859	-0.818	-1.090	-1.447	-1.910
10.0	-0.859	-0.818	-1.090	-1.447	-1.910
15.0	-0.859	-0.818	-1.090	-1.447	-1.910
20.0	-0.859	-0.818	-1.090	-1.447	-1.910
25.0	-0.859	-0.818	-1.090	-1.447	-1.910
30.0	-0.859	-0.818	-1.090	-1.447	-1.910
35.0	-0.859	-0.818	-1.090	-1.447	-1.910
40.0	-0.859	-0.818	-1.090	-1.447	-1.910
45.0	-0.859	-0.818	-1.090	-1.447	-1.910
50.0	-0.859	-0.818	-1.090	-1.447	-1.910
55.0	-0.859	-0.818	-1.090	-1.447	-1.910
60.0	-0.859	-0.818	-1.090	-1.447	-1.910
65.0	-0.859	-0.818	-1.090	-1.447	-1.910
70.0	-0.859	-0.818	-1.090	-1.447	-1.910
75.0	-0.859	-0.818	-1.090	-1.447	-1.910
80.0	-0.859	-0.818	-1.090	-1.447	-1.910
85.0	-0.859	-0.818	-1.090	-1.447	-1.910
90.0	-0.859	-0.818	-1.090	-1.447	-1.910
95.0	-0.859	-0.818	-1.090	-1.447	-1.910
100.0	-0.859	-0.818	-1.090	-1.447	-1.910

WING 233 POINT 0 ALPHA 12.03 PSI 0.01 HEIGHT 00.17

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.873	-0.815	-1.328	-1.835	-2.680
2.5	0.877	0.703	-1.370	-1.758	-2.317
5.0	0.585	0.188	-1.578	-1.683	-1.974
10.0	0.454	0.021	-1.700	-1.538	-1.520
15.0	0.165	-0.060	-1.784	-1.332	-1.281
20.0	-0.027	-0.244	-1.895	-1.090	-1.171
25.0	-0.325	-0.518	-1.848	-0.800	-1.186
30.0	-0.625	-0.842	-1.530	-0.464	-1.004
35.0	-0.925	-1.099	-1.070	-0.148	-0.718
40.0	-1.225	-1.276	-0.580	0.128	-0.432
45.0	-1.525	-1.460	-0.090	0.412	-0.146
50.0	-1.825	-1.644	0.100	0.696	0.140
55.0	-2.125	-1.828	0.290	0.980	0.424
60.0	-2.425	-2.012	0.480	1.264	0.708
65.0	-2.725	-2.196	0.670	1.548	0.992
70.0	-3.025	-2.380	0.860	1.832	1.276
75.0	-3.325	-2.564	1.050	2.116	1.560
80.0	-3.625	-2.748	1.240	2.400	1.844
85.0	-3.925	-2.932	1.430	2.684	2.128
90.0	-4.225	-3.116	1.620	2.968	2.412
95.0	-4.525	-3.300	1.810	3.252	2.696
100.0	-4.825	-3.484	2.000	3.536	2.980
2.5 (LOWER)	-0.873	-0.815	-1.328	-1.835	-2.680
5.0	-0.873	-0.815	-1.328	-1.835	-2.680
10.0	-0.873	-0.815	-1.328	-1.835	-2.680
15.0	-0.873	-0.815	-1.328	-1.835	-2.680
20.0	-0.873	-0.815	-1.328	-1.835	-2.680
25.0	-0.873	-0.815	-1.328	-1.835	-2.680
30.0	-0.873	-0.815	-1.328	-1.835	-2.680
35.0	-0.873	-0.815	-1.328	-1.835	-2.680
40.0	-0.873	-0.815	-1.328	-1.835	-2.680
45.0	-0.873	-0.815	-1.328	-1.835	-2.680
50.0	-0.873	-0.815	-1.328	-1.835	-2.680
55.0	-0.873	-0.815	-1.328	-1.835	-2.680
60.0	-0.873	-0.815	-1.328	-1.835	-2.680
65.0	-0.873	-0.815	-1.328	-1.835	-2.680
70.0	-0.873	-0.815	-1.328	-1.835	-2.680
75.0	-0.873	-0.815	-1.328	-1.835	-2.680
80.0	-0.873	-0.815	-1.328	-1.835	-2.680
85.0	-0.873	-0.815	-1.328	-1.835	-2.680
90.0	-0.873	-0.815	-1.328	-1.835	-2.680
95.0	-0.873	-0.815	-1.328	-1.835	-2.680
100.0	-0.873	-0.815	-1.328	-1.835	-2.680

WING PRESSURE COEFFICIENTS

WING 233 POINT 13 ALPHA 22.00 PSI 0.01 HEIGHT 07.07

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.800	-0.717	-2.148	-3.188	-4.870
2.5	0.530	-0.311	-1.737	-2.383	-3.822
5.0	0.373	-0.438	-1.728	-2.170	-3.004
10.0	0.167	-0.825	-1.608	-1.911	-2.812
15.0	-0.144	-0.703	-1.961	-1.847	-2.876
20.0	-0.355	-0.809	-2.048	-1.788	-2.726
25.0	-0.631	-1.047	-2.150	-2.009	-2.654
30.0	-0.931	-1.471	-2.308	-2.892	-2.572
35.0	-1.253	-1.975	-2.548	-2.893	-2.883
40.0	-1.603	-2.545	-2.835	-2.846	-3.194
45.0	-1.975	-3.174	-3.172	-2.812	-3.505
50.0	-2.368	-3.853	-3.548	-2.777	-3.816
55.0	-2.780	-4.583	-3.973	-2.742	-4.127
60.0	-3.212	-5.312	-4.400	-2.707	-4.438
65.0	-3.664	-6.041	-4.825	-2.672	-4.749
70.0	-4.136	-6.770	-5.250	-2.637	-5.060
75.0	-4.628	-7.500	-5.675	-2.602	-5.371
80.0	-5.140	-8.229	-6.100	-2.567	-5.682
85.0	-5.672	-8.958	-6.525	-2.532	-5.993
90.0	-6.224	-9.687	-6.950	-2.497	-6.304
95.0	-6.796	-10.416	-7.375	-2.462	-6.615
100.0	-7.388	-11.145	-7.800	-2.427	-6.926
2.5 (LOWER)	-0.800	-0.717	-2.148	-3.188	-4.870
5.0	-0.800	-0.717	-2.148	-3.188	-4.870
10.0	-0.800	-0.717	-2.148	-3.188	-4.870
15.0	-0.800	-0.717	-2.148	-3.188	-4.870
20.0	-0.800	-0.717	-2.148	-3.188	-4.870
25.0	-0.800	-0.717	-2.148	-3.188	-4.870
30.0	-0.800	-0.717	-2.148	-3.188	-4.870
35.0	-0.800	-0.717	-2.148	-3.188	-4.870
40.0	-0.800	-0.717	-2.148	-3.188	-4.870
45.0	-0.800	-0.717	-2.148	-3.188	-4.870
50.0	-0.800	-0.717	-2.148	-3.188	-4.870
55.0	-0.800	-0.717	-2.148	-3.188	-4.870
60.0	-0.800	-0.717	-2.148	-3.188	-4.870
65.0	-0.800	-0.717	-2.148	-3.188	-4.870
70.0	-0.800	-0.717	-2.148	-3.188	-4.870
75.0	-0.800	-0.717	-2.148	-3.188	-4.870
80.0	-0.800	-0.717	-2.148	-3.188	-4.870
85.0	-0.800	-0.717	-2.148	-3.188	-4.870
90.0	-0.800	-0.717	-2.148	-3.188	-4.870
95.0	-0.800	-0.717	-2.148	-3.188	-4.870
100.0	-0.800	-0.717	-2.148	-3.188	-4.870

WING 235 POINT 21 ALPHA 0.00 PSI 0.00 HEIGHT 07.47

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	0.514	0.504	0.475	0.578	0.510
2.5	-0.134	-0.282	-0.325	-0.320	-0.200
5.0	-0.113	-0.375	-0.253	-0.331	-0.348
10.0	-0.170	-0.525	-0.268	-0.351	-0.516
15.0	-0.187	-0.680	-0.348	-0.370	-0.690
20.0	-0.165	-0.825	-0.282	-0.374	-0.870
25.0	-0.122	-1.000	-0.216	-0.364	-1.060
30.0	0.028	-1.157	-0.313	-0.364	-1.260
35.0	0.092	-1.312	-0.322	-0.358	-1.470
40.0	0.111	-1.467	-0.328	-0.358	-1.690
45.0	0.111	-1.622	-0.328	-0.358	-1.920
50.0	0.111	-1.777	-0.328	-0.358	-2.160
55.0	0.111	-1.932	-0.328	-0.358	-2.410
60.0	0.111	-2.087	-0.328	-0.358	-2.670
65.0	0.111	-2.242	-0.328	-0.358	-2.930
70.0	0.111	-2.397	-0.328	-0.358	-3.190
75.0	0.111	-2.552	-0.328	-0.358	-3.450
80.0	0.111	-2.707	-0.328	-0.358	-3.710
85.0	0.111	-2.862	-0.328	-0.358	-3.970
90.0	0.111	-3.017	-0.328	-0.358	-4.230
95.0	0.111	-3.172	-0.328	-0.358	-4.490
100.0	0.111	-3.327	-0.328	-0.358	-4.750
2.5 (LOWER)	0.514	0.504	0.475	0.578	0.510
5.0	-0.134	-0.282	-0.325	-0.320	-0.200
10.0	-0.113	-0.375	-0.253	-0.331	-0.348
15.0	-0.170	-0.525	-0.268	-0.351	-0.516
20.0	-0.187	-0.680	-0.348	-0.370	-0.690
25.0	-0.165	-0.825	-0.282	-0.374	-0.870
30.0	0.028	-1.157	-0.313	-0.364	-1.060
35.0	0.092	-1.312	-0.322	-0.358	-1.260
40.0	0.111	-1.467	-0.328	-0.358	-1.470
45.0	0.111	-1.622	-0.328	-0.358	-1.690
50.0	0.111	-1.777	-0.328	-0.358	-1.920
55.0	0.111	-1.932	-0.328	-0.358	-2.160
60.0	0.111	-2.087	-0.328	-0.358	-2.410
65.0	0.111	-2.242	-0.328	-0.358	-2.670
70.0	0.111	-2.397	-0.328	-0.358	-2.930
75.0	0.111	-2.552	-0.328	-0.358	-3.190
80.0	0.111	-2.707	-0.328	-0.358	-3.450
85.0	0.111	-2.862	-0.328	-0.358	-3.710
90.0	0.111	-3.017	-0.328	-0.358	-3.970
95.0	0.111	-3.172	-0.328	-0.358	-4.230
100.0	0.111	-3.327	-0.328	-0.358	-4.490

MINE PRESSURE COEFFICIENTS

MIN 237 POINT 9 ALPHA 11.00 PSI	0.00 HEIGHT 80.00	BP 2	BP 6	BP 12	BP 18	BP 22
1/C. 5						
0.0	-4.400	-5.070	-2.500	-2.822	-2.230	-2.230
2.5	-3.270	-4.761	-3.530	-2.829	-2.290	-2.290
5.0	-1.700	-3.000	-2.872	-2.872	-2.290	-2.290
10.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
15.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
20.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
25.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
30.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
35.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
40.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
45.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
50.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
55.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
60.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
65.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
70.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
75.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
80.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
85.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
90.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
95.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290
100.0	-1.371	-1.000	-2.047	-2.047	-2.290	-2.290

MIN 237 POINT 14 ALPHA 22.01 PSI	0.00 HEIGHT 80.00	BP 2	BP 6	BP 12	BP 18	BP 22
1/C. 5						
0.0	-12.500	-8.207	-4.400	-2.887	-2.887	-2.887
2.5	-5.174	-6.142	-4.700	-3.770	-2.875	-2.875
5.0	-3.424	-5.000	-4.000	-3.000	-2.800	-2.800
10.0	-2.000	-3.000	-3.000	-2.000	-2.000	-2.000
15.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
20.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
25.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
30.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
35.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
40.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
45.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
50.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
55.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
60.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
65.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
70.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
75.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
80.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
85.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
90.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
95.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371
100.0	-1.371	-2.000	-2.000	-1.371	-1.371	-1.371

MINE PRESSURE COEFFICIENTS

MIN 238 POINT 2 ALPHA -0.01 PSI	0.00 HEIGHT 80.70	BP 2	BP 6	BP 12	BP 18	BP 22
1/C. 5						
0.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
2.5	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
5.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
10.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
15.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
20.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
25.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
30.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
35.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
40.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
45.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
50.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
55.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
60.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
65.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
70.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
75.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
80.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
85.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
90.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
95.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410
100.0	-0.000	-0.000	-0.550	-1.122	-1.410	-1.410

MIN 238 POINT 4 ALPHA 4.00 PSI	0.00 HEIGHT 87.81	BP 2	BP 6	BP 12	BP 18	BP 22
1/C. 5						
0.0	-0.500	-1.543	-2.020	-2.020	-2.020	-2.020
2.5	-1.184	-1.173	-1.584	-1.584	-1.584	-1.584
5.0	-0.820	-1.101	-1.454	-1.454	-1.454	-1.454
10.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
15.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
20.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
25.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
30.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
35.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
40.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
45.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
50.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
55.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
60.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
65.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
70.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
75.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
80.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
85.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
90.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
95.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091
100.0	-0.820	-0.867	-1.091	-1.091	-1.091	-1.091

MINO PRESSURE COEFFICIENTS

MINO 230 POINT 0 ALPHA 0.01 PSI 0.00 HEIGHT 00.75	BP 2	BP 6	BP 12	BP 16	BP 22
1/C %					
0.0	-2.180	-2.080	-3.047	-2.812	-2.340
2.5	-1.384	-1.113	-2.753	-2.297	-2.138
5.0	-1.284	-1.013	-2.517	-2.070	-1.874
10.0	-1.177	-1.291	-1.787	-1.479	-1.280
15.0	-1.017	-1.280	-1.292	-1.223	-1.080
20.0	-1.000	-1.083	-1.043	-1.013	-0.871
25.0	-0.879	-1.007	-1.000	-1.000	-0.807
30.0	-1.074	-1.104	-1.275	-1.275	-1.007
35.0	-0.300	-1.080	-1.000	-1.000	-0.807
40.0	-0.301	-1.080	-1.000	-1.000	-0.807
45.0	-1.000	-1.080	-1.000	-1.000	-0.807
50.0	-1.000	-1.080	-1.000	-1.000	-0.807
55.0	-1.000	-1.080	-1.000	-1.000	-0.807
60.0	-1.000	-1.080	-1.000	-1.000	-0.807
65.0	-1.000	-1.080	-1.000	-1.000	-0.807
70.0	-1.000	-1.080	-1.000	-1.000	-0.807
75.0	-1.000	-1.080	-1.000	-1.000	-0.807
80.0	-1.000	-1.080	-1.000	-1.000	-0.807
85.0	-1.000	-1.080	-1.000	-1.000	-0.807
90.0	-1.000	-1.080	-1.000	-1.000	-0.807
95.0	-1.000	-1.080	-1.000	-1.000	-0.807
100.0	-1.000	-1.080	-1.000	-1.000	-0.807

MINO 230 POINT 0 ALPHA 12.00 PSI 0.00 HEIGHT 00.75	BP 2	BP 6	BP 12	BP 16	BP 22
1/C %					
0.0	-0.001	-0.001	-0.001	-0.001	-0.001
2.5	-0.001	-0.001	-0.001	-0.001	-0.001
5.0	-0.001	-0.001	-0.001	-0.001	-0.001
10.0	-0.001	-0.001	-0.001	-0.001	-0.001
15.0	-0.001	-0.001	-0.001	-0.001	-0.001
20.0	-0.001	-0.001	-0.001	-0.001	-0.001
25.0	-0.001	-0.001	-0.001	-0.001	-0.001
30.0	-0.001	-0.001	-0.001	-0.001	-0.001
35.0	-0.001	-0.001	-0.001	-0.001	-0.001
40.0	-0.001	-0.001	-0.001	-0.001	-0.001
45.0	-0.001	-0.001	-0.001	-0.001	-0.001
50.0	-0.001	-0.001	-0.001	-0.001	-0.001
55.0	-0.001	-0.001	-0.001	-0.001	-0.001
60.0	-0.001	-0.001	-0.001	-0.001	-0.001
65.0	-0.001	-0.001	-0.001	-0.001	-0.001
70.0	-0.001	-0.001	-0.001	-0.001	-0.001
75.0	-0.001	-0.001	-0.001	-0.001	-0.001
80.0	-0.001	-0.001	-0.001	-0.001	-0.001
85.0	-0.001	-0.001	-0.001	-0.001	-0.001
90.0	-0.001	-0.001	-0.001	-0.001	-0.001
95.0	-0.001	-0.001	-0.001	-0.001	-0.001
100.0	-0.001	-0.001	-0.001	-0.001	-0.001

MINO PRESSURE COEFFICIENTS

MINO 230 POINT 13 ALPHA 31.00 PSI 0.00 HEIGHT 00.07	BP 2	BP 6	BP 12	BP 16	BP 22
1/C %					
0.0	-14.222	-0.002	-0.002	-0.002	-0.002
2.5	-5.501	-10.763	-0.002	-0.002	-0.002
5.0	-3.730	-11.483	-0.002	-0.002	-0.002
10.0	-2.712	-3.110	-7.000	-4.714	-3.000
15.0	-2.314	-1.020	-3.000	-3.000	-3.000
20.0	-1.003	-1.003	-4.000	-3.000	-3.000
25.0	-1.003	-1.003	-1.000	-3.000	-3.000
30.0	-1.003	-1.003	-1.000	-3.000	-3.000
35.0	-1.003	-1.003	-1.000	-3.000	-3.000
40.0	-1.003	-1.003	-1.000	-3.000	-3.000
45.0	-1.003	-1.003	-1.000	-3.000	-3.000
50.0	-1.003	-1.003	-1.000	-3.000	-3.000
55.0	-1.003	-1.003	-1.000	-3.000	-3.000
60.0	-1.003	-1.003	-1.000	-3.000	-3.000
65.0	-1.003	-1.003	-1.000	-3.000	-3.000
70.0	-1.003	-1.003	-1.000	-3.000	-3.000
75.0	-1.003	-1.003	-1.000	-3.000	-3.000
80.0	-1.003	-1.003	-1.000	-3.000	-3.000
85.0	-1.003	-1.003	-1.000	-3.000	-3.000
90.0	-1.003	-1.003	-1.000	-3.000	-3.000
95.0	-1.003	-1.003	-1.000	-3.000	-3.000
100.0	-1.003	-1.003	-1.000	-3.000	-3.000

MINO 230 POINT 2 ALPHA -0.01 PSI 0.00 HEIGHT 00.75	BP 2	BP 6	BP 12	BP 16	BP 22
1/C %					
0.0	-0.000	-0.000	-0.000	-0.000	-0.000
2.5	-0.000	-0.000	-0.000	-0.000	-0.000
5.0	-0.000	-0.000	-0.000	-0.000	-0.000
10.0	-0.000	-0.000	-0.000	-0.000	-0.000
15.0	-0.000	-0.000	-0.000	-0.000	-0.000
20.0	-0.000	-0.000	-0.000	-0.000	-0.000
25.0	-0.000	-0.000	-0.000	-0.000	-0.000
30.0	-0.000	-0.000	-0.000	-0.000	-0.000
35.0	-0.000	-0.000	-0.000	-0.000	-0.000
40.0	-0.000	-0.000	-0.000	-0.000	-0.000
45.0	-0.000	-0.000	-0.000	-0.000	-0.000
50.0	-0.000	-0.000	-0.000	-0.000	-0.000
55.0	-0.000	-0.000	-0.000	-0.000	-0.000
60.0	-0.000	-0.000	-0.000	-0.000	-0.000
65.0	-0.000	-0.000	-0.000	-0.000	-0.000
70.0	-0.000	-0.000	-0.000	-0.000	-0.000
75.0	-0.000	-0.000	-0.000	-0.000	-0.000
80.0	-0.000	-0.000	-0.000	-0.000	-0.000
85.0	-0.000	-0.000	-0.000	-0.000	-0.000
90.0	-0.000	-0.000	-0.000	-0.000	-0.000
95.0	-0.000	-0.000	-0.000	-0.000	-0.000
100.0	-0.000	-0.000	-0.000	-0.000	-0.000

WIND POWER CORP INC

NAME	230	POWINT	0	ALPHA	12.00	PS1	0.00	HE[UNIT]	250.00
	Z/C, %		BP 7		BP 8		BP 12		BP 16
	0.0	0.000000	-0.0320	-3.400	-3.007	-4.008	-3.247		
	2.5	2.5000	-0.2000	-3.000	-3.000	-3.077	-3.970		
	5.0	5.0000	-0.2500	-0.250	-0.250	-3.033	-3.432		
	10.0	1.1500	-0.1500	-0.000	-0.251	-3.753	-3.916		
	15.0	0.1111	-0.1000	-1.000	-0.400	-4.000	-3.400		
	34.0	0.1000	-0.1000	-1.557	-1.071	-4.000	-3.763		
	33.0	0.1471	-1.372	-0.919	-1.019	-3.000	-3.300		
	54.0	0.2743	-2.000	-1.000	-2.210	-4.000	-4.000		
	80.0	-0.770	-0.770	-2.243	-2.444	-1.000	-4.000		
	78.5	-0.947	-0.947	-0.434	-7.004	-3.000	-7.004		
	78.5	-323.071	-323.071	-323.071	-323.071	-323.071	-323.071		
	80.5	-10.343	-10.343	-10.343	-10.343	-10.343	-10.343		
	81.5	-0.724	-0.724	-0.050	-17.018	-8.241	-8.000		
	82.0	-0.130	-0.130	-0.507	-7.034	-8.372	-8.445		
	84.0	-1.1170	-1.1170	-0.250	-0.250	-3.492	-1.000		
	87.0	0.072	0.072	-5.507	-10.291	-2.760	-1.937		
	88.0	0.003	0.003	-2.077	0.000	-6.000	-0.337		
	83.0	-0.010	-0.010	-2.718	0.000	-1.000	-7.000		
	86.0	-2.010	-2.010	-4.500	-0.421	-4.500	-0.001		
	100.0	2.5	0.010	0.010	0.151	-0.250	0.013		
		2.5	0.200	0.000	0.000	0.203	0.003		
	5.0	0.000	0.000	0.740	0.251	0.154	0.300		
	10.0	0.040	0.040	0.251	0.187	0.012	0.041		
	24.0	0.207	0.207	0.187	0.112	0.002	-2.000		
	33.0	0.364	0.364	-0.112	0.002	0.000	-0.340		
	54.0	0.730	0.730	0.003	0.000	-0.340	-0.400		
	73.5	0.210	0.210	0.300	-0.413	0.307	-0.170		
	84.0	0.031	0.031	0.110	0.164	-0.241	-0.003		
	98.0								

[illegible][illegible]

NAME	230	PHOT	4	ALPHA	BP 2	BP 6	BP 12	BP 16	BP 22
	L/C	%							
	0.0	(RPM/6)							
	2.5		-0.727	-1.563	-3.230	-0.061	-3.232		
	5.0		-1.037	-1.266	-1.733	-3.223	-3.237		
	10.0		-1.346	-1.269	-1.090	-1.060			
	15.0		-1.110	-0.081	-1.210	-1.033	-3.013		
	20.0		-1.000	-1.530	-0.000	-1.062	-1.701		
	24.0		-1.305	-1.340	-0.000	-2.107	-1.051		
	27.0		-1.000	-1.263	-1.150	-1.503	-1.707		
	32.0		-0.900	-0.256	-1.113	-3.001	-1.705		
	36.0		-0.900	-2.101	-2.000	-2.002	-1.175		
	38.0		-0.900	-0.120	-0.070	-0.060	-0.010		
	70.5		-317.001	-207.000	-240.703	-216.437	-125.337		
	78.5		-75.783	-14.717	-20.131	-0.123	-1.153		
	80.5		-0.900	-0.200	-0.027	-0.262	-1.070		
	82.0		-0.047	-0.275	-1.400	-3.027	-3.044		
	84.0		-1.216	-0.178	-0.700	-0.500	-3.100		
	87.0		-1.703	-0.070	-0.060	-3.257	-2.270		
	88.0		-0.000	-2.231	-14.072	-2.077	-1.000		
	92.0		-0.040	-2.023	-0.700	-0.774	-0.200		
	95.0		-3.124	-2.563	-1.070	-3.224	-0.200		
	98.0		-0.000	-4.779	-0.031	-4.070	-3.100		
	100.0		-0.000	-0.200	-0.220	-0.201	-0.250		
	2.5	(L/C/6)	-0.075	-0.000	-0.314	-0.062	-0.017		
	5.0		-0.000	-0.000	-0.003	-0.200	-0.372		
	10.0		-0.194	-0.010	-0.000	-0.501	-0.223		
	24.0		-0.000	-0.003	-0.101	-0.150	-0.424		
	32.0		-0.000	-0.200	-0.124	-3.043	-0.700		
	54.0		-7.070	-0.070	-0.001	-1.041	-0.225		
	72.5		-0.115	-0.231	-0.411	-0.343	-0.023		
	84.0		-0.115	-0.010	-0.100	-0.300	-0.500		
	98.0		-0.115	-0.010	-0.100	-0.300	-0.500		

NAME	STN	POINT	0	ALPHA	0.00	PS1	0.00	MCENT	00.00
	S/C	%	0	1	2	3	4	5	6
0.0	0.00000		-1.362	-2.078	-3.005	-3.734			
2.5	-1.795	-3.151	-2.013	-2.760	-3.514	-3.771			
5.0	-1.022	-1.737	-2.544	-3.068	-3.618	-3.776			
10.0	-1.252	-1.773	-2.743	-3.268	-3.468	-3.618			
15.0	-1.381	-1.744	-2.895	-3.223	-3.289	-3.289			
20.0	-1.439	-1.691	-2.951	-3.168	-3.168	-3.168			
25.0	-1.476	-1.638	-3.022	-3.079	-3.079	-3.079			
30.0	-1.500	-1.584	-3.129	-2.968	-2.968	-2.968			
35.0	-1.514	-1.529	-3.263	-2.845	-2.845	-2.845			
40.0	-1.519	-1.474	-3.436	-2.712	-2.712	-2.712			
45.0	-1.516	-1.419	-3.642	-2.569	-2.569	-2.569			
50.0	-1.506	-1.364	-3.882	-2.416	-2.416	-2.416			
55.0	-1.490	-1.309	-4.156	-2.253	-2.253	-2.253			
60.0	-1.468	-1.249	-4.464	-2.080	-2.080	-2.080			
65.0	-1.441	-1.185	-4.806	-1.897	-1.897	-1.897			
70.0	-1.409	-1.117	-5.182	-1.706	-1.706	-1.706			
75.0	-1.373	-1.045	-5.592	-1.508	-1.508	-1.508			
80.0	-1.334	-0.969	-6.036	-1.305	-1.305	-1.305			
85.0	-1.292	-0.885	-6.514	-1.098	-1.098	-1.098			
90.0	-1.247	-0.797	-7.026	-0.888	-0.888	-0.888			
95.0	-1.200	-0.705	-7.572	-0.675	-0.675	-0.675			
100.0	-1.151	-0.609	-8.152	-0.459	-0.459	-0.459			
2.5	0.00000		-0.000	-0.000	-0.000	-0.000			
5.0	0.000		-0.013	-0.013	-0.013	-0.013			
10.0	0.000		-0.027	-0.027	-0.027	-0.027			
15.0	0.000		-0.042	-0.042	-0.042	-0.042			
20.0	0.000		-0.057	-0.057	-0.057	-0.057			
25.0	0.000		-0.072	-0.072	-0.072	-0.072			
30.0	0.000		-0.087	-0.087	-0.087	-0.087			
35.0	0.000		-0.102	-0.102	-0.102	-0.102			
40.0	0.000		-0.117	-0.117	-0.117	-0.117			
45.0	0.000		-0.132	-0.132	-0.132	-0.132			
50.0	0.000		-0.147	-0.147	-0.147	-0.147			
55.0	0.000		-0.162	-0.162	-0.162	-0.162			
60.0	0.000		-0.177	-0.177	-0.177	-0.177			
65.0	0.000		-0.192	-0.192	-0.192	-0.192			
70.0	0.000		-0.207	-0.207	-0.207	-0.207			
75.0	0.000		-0.222	-0.222	-0.222	-0.222			
80.0	0.000		-0.237	-0.237	-0.237	-0.237			
85.0	0.000		-0.252	-0.252	-0.252	-0.252			
90.0	0.000		-0.267	-0.267	-0.267	-0.267			
95.0	0.000		-0.282	-0.282	-0.282	-0.282			
100.0	0.000		-0.297	-0.297	-0.297	-0.297			

MINE PRESSURE COEFFICIENTS

MINE 240 POINT 13 ALPHA 21.00 PSI		0.00 HEIGHT 00.10		0.00 HEIGHT 00.10		0.00 HEIGHT 00.10		0.00 HEIGHT 00.10	
A/C. X		BP 2	BP 0	BP 12	BP 16	BP 20			
0.0	0.00000	-12.323	-0.000	-5.790	-0.220	-0.520	0.0	0.00000	-0.000
2.5	0.00000	-10.440	-0.000	-5.443	-0.000	-0.120	2.5	0.00000	-0.000
5.0	0.00000	-11.442	-0.000	-5.074	-0.000	-0.120	5.0	0.00000	-0.000
10.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	10.0	0.00000	-0.000
15.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	15.0	0.00000	-0.000
20.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	20.0	0.00000	-0.000
25.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	25.0	0.00000	-0.000
30.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	30.0	0.00000	-0.000
35.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	35.0	0.00000	-0.000
40.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	40.0	0.00000	-0.000
45.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	45.0	0.00000	-0.000
50.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	50.0	0.00000	-0.000
55.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	55.0	0.00000	-0.000
60.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	60.0	0.00000	-0.000
65.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	65.0	0.00000	-0.000
70.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	70.0	0.00000	-0.000
75.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	75.0	0.00000	-0.000
80.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	80.0	0.00000	-0.000
85.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	85.0	0.00000	-0.000
90.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	90.0	0.00000	-0.000
95.0	0.00000	-12.000	-0.000	-5.000	-0.000	-0.120	95.0	0.00000	-0.000

MINE PRESSURE COEFFICIENTS

MINE 243 POINT 5 ALPHA 4.02 PSI		0.00 HEIGHT 00.03		0.00 HEIGHT 00.03		0.00 HEIGHT 00.03		0.00 HEIGHT 00.03	
A/C. X		BP 2	BP 0	BP 12	BP 16	BP 20			
0.0	0.00000	0.370	0.400	0.164	-0.310	-0.004	0.0	0.00000	-0.004
2.5	0.00000	0.154	-0.000	-0.450	-0.750	-0.077	2.5	0.00000	-0.077
5.0	0.00000	0.000	-0.000	-0.357	-0.600	-0.720	5.0	0.00000	-0.720
10.0	0.00000	-0.000	-0.000	-0.174	-0.343	-0.543	10.0	0.00000	-0.543
15.0	0.00000	-0.000	-0.000	-0.000	-0.160	-0.401	15.0	0.00000	-0.401
20.0	0.00000	-0.154	-0.212	-0.300	-0.300	-0.300	20.0	0.00000	-0.300
25.0	0.00000	-0.171	-0.223	-0.284	-0.301	-0.200	25.0	0.00000	-0.200
30.0	0.00000	-0.090	-0.042	-0.310	-0.603	-0.300	30.0	0.00000	-0.300
35.0	0.00000	0.075	0.320	-0.370	-0.380	-0.300	35.0	0.00000	-0.300
40.0	0.00000	0.000	0.524	-0.507	-0.620	-0.700	40.0	0.00000	-0.700
45.0	0.00000	-0.507	0.527	-0.507	-0.640	-0.641	45.0	0.00000	-0.641
50.0	0.00000	-0.531	0.000	-0.507	-0.507	-0.623	50.0	0.00000	-0.623
55.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	55.0	0.00000	-0.623
60.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	60.0	0.00000	-0.623
65.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	65.0	0.00000	-0.623
70.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	70.0	0.00000	-0.623
75.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	75.0	0.00000	-0.623
80.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	80.0	0.00000	-0.623
85.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	85.0	0.00000	-0.623
90.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	90.0	0.00000	-0.623
95.0	0.00000	-0.507	0.000	-0.507	-0.507	-0.623	95.0	0.00000	-0.623

MINE 243 POINT 3 ALPHA 0.01 PSI

0.00 HEIGHT 00.00		0.00 HEIGHT 00.00		0.00 HEIGHT 00.00		0.00 HEIGHT 00.00		0.00 HEIGHT 00.00	
A/C. X		BP 2	BP 0	BP 12	BP 16	BP 20			
0.0	0.00000	0.120	0.000	0.204	0.000	0.070	0.0	0.00000	0.070
2.5	0.00000	0.253	0.101	-0.000	-0.200	-0.211	2.5	0.00000	-0.211
5.0	0.00000	0.100	0.114	-0.000	-0.210	-0.200	5.0	0.00000	-0.200
10.0	0.00000	0.074	-0.000	-0.130	-0.271	-0.230	10.0	0.00000	-0.230
15.0	0.00000	0.000	-0.012	-0.101	-0.210	-0.270	15.0	0.00000	-0.270
20.0	0.00000	-0.015	-0.002	-0.104	-0.170	-0.210	20.0	0.00000	-0.210
25.0	0.00000	-0.017	-0.117	-0.104	-0.310	-0.310	25.0	0.00000	-0.310
30.0	0.00000	0.075	-0.270	-0.323	-0.701	-0.720	30.0	0.00000	-0.720
35.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	35.0	0.00000	-0.320
40.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	40.0	0.00000	-0.320
45.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	45.0	0.00000	-0.320
50.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	50.0	0.00000	-0.320
55.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	55.0	0.00000	-0.320
60.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	60.0	0.00000	-0.320
65.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	65.0	0.00000	-0.320
70.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	70.0	0.00000	-0.320
75.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	75.0	0.00000	-0.320
80.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	80.0	0.00000	-0.320
85.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	85.0	0.00000	-0.320
90.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	90.0	0.00000	-0.320
95.0	0.00000	0.075	-0.341	-0.320	-0.502	-0.320	95.0	0.00000	-0.320

MINE 243 POINT 7 ALPHA 7.00 PSI

0.00 HEIGHT 04.07		0.00 HEIGHT 04.07		0.00 HEIGHT 04.07		0.00 HEIGHT 04.07		0.00 HEIGHT 04.07	
A/C. X		BP 2	BP 0	BP 12	BP 16	BP 20			
0.0	0.00000	0.501	0.155	-1.020	-2.105	-2.710	0.0	0.00000	-2.710
2.5	0.00000	-0.154	-0.427	-0.873	-1.400	-2.220	2.5	0.00000	-2.220
5.0	0.00000	-0.154	-0.380	-0.709	-1.044	-1.970	5.0	0.00000	-1.970
10.0	0.00000	-0.220	-0.407	-0.813	-0.787	-1.040	10.0	0.00000	-1.040
15.0	0.00000	-0.250	-0.382	-0.551	-0.050	-0.727	15.0	0.00000	-0.727
20.0	0.00000	-0.264	-0.350	-0.400	-0.000	-0.522	20.0	0.00000	-0.522
25.0	0.00000	-0.295	-0.361	-0.417	-0.400	-0.444	25.0	0.00000	-0.444
30.0	0.00000	-0.150	-0.160	-0.420	-0.383	-0.407	30.0	0.00000	-0.407
35.0	0.00000	0.055	-0.501	-0.543	-0.350	-0.020	35.0	0.00000	-0.020
40.0	0.00000	0.001	-1.007	-1.025	-1.050	-1.371	40.0	0.00000	-1.371
45.0	0.00000	-1.173	-1.190	-1.133	-1.170	-1.611	45.0	0.00000	-1.611
50.0	0.00000	-1.150	-1.022	-0.800	-1.027	-0.931	50.0	0.00000	-0.931
55.0	0.00000	-1.125	-0.877	-0.877	-1.041	-1.500	55.0	0.00000	-1.500
60.0	0.00000	-0.907	-1.010	-0.964	-1.000	-1.574	60.0	0.00000	-1.574
65.0	0.00000	-0.704	-0.895	-1.000	-0.950	-1.001	65.0	0.00000	-1.001
70.0	0.00000	-0.892	-0.755	-0.704	-0.770	-1.022	70.0	0.00000	-1.022
75.0	0.00000	-0.810	-0.653	-0.602	-0.770	-1.022	75.0	0.00000	-1.022
80.0	0.00000	-0.543	-0.553	-0.517	-0.605	-0.624	80.0	0.00000	-0.624
85.0	0.00000	-0.400	-0.340	-0.401	-0.401	-0.401	85.0	0.00000	-0.401
90.0	0.00000	-0.343	-0.340	-0.357	-0.370	-0.401	90.0	0.00000	-0.401
95.0	0.00000	-0.343	-0.340	-0.357	-0.370	-0.401	95.0	0.00000	-0.401

WING PRESSURE COEFFICIENTS

WING 243 POINT 0 ALPHA 10.01 PSI	0.00 HEIGHT	03.07	0.00 HEIGHT	04.43	
L/C %	DP 2	DP 6	DP 12	DP 16	DP 22
0.0	0.300	-0.751	-3.067	-3.473	-1.563
2.5	-0.400	-0.750	-3.376	-3.223	-1.466
5.0	-0.500	-0.641	-3.176	-2.966	-1.091
10.0	-0.500	-0.500	-2.881	-2.667	-0.423
15.0	-0.400	-0.300	-2.533	-2.300	-0.426
20.0	-0.376	-0.091	-2.177	-1.937	-0.437
25.0	-0.300	0.101	-1.822	-1.612	-1.117
30.0	-0.200	0.300	-1.467	-1.287	-1.534
35.0	-0.100	0.500	-1.112	-1.062	-1.436
40.0	0.000	0.700	-0.757	-0.781	-0.949
45.0	0.100	0.900	-0.402	-0.426	-0.426
50.0	0.200	1.100	-0.047	-0.071	0.049
55.0	0.300	1.300	0.308	0.332	0.517
60.0	0.400	1.500	0.663	0.687	0.980
65.0	0.500	1.700	1.018	1.042	1.443
70.0	0.600	1.900	1.373	1.397	1.906
75.0	0.700	2.100	1.728	1.752	2.369
80.0	0.800	2.300	2.083	2.107	2.832
85.0	0.900	2.500	2.438	2.462	3.295
90.0	1.000	2.700	2.793	2.817	3.758

100% (1.0000)

WING PRESSURE COEFFICIENTS

WING 244 POINT 2 ALPHA 0.00 PSI	0.00 HEIGHT	04.57	0.00 HEIGHT	04.57	
L/C %	DP 2	DP 6	DP 12	DP 16	DP 22
0.0	0.000	-1.415	-6.639	-6.322	-0.390
2.5	0.000	-1.415	-6.639	-6.322	-0.390
5.0	0.000	-1.415	-6.639	-6.322	-0.390
10.0	0.000	-1.415	-6.639	-6.322	-0.390
15.0	0.000	-1.415	-6.639	-6.322	-0.390
20.0	0.000	-1.415	-6.639	-6.322	-0.390
25.0	0.000	-1.415	-6.639	-6.322	-0.390
30.0	0.000	-1.415	-6.639	-6.322	-0.390
35.0	0.000	-1.415	-6.639	-6.322	-0.390
40.0	0.000	-1.415	-6.639	-6.322	-0.390
45.0	0.000	-1.415	-6.639	-6.322	-0.390
50.0	0.000	-1.415	-6.639	-6.322	-0.390
55.0	0.000	-1.415	-6.639	-6.322	-0.390
60.0	0.000	-1.415	-6.639	-6.322	-0.390
65.0	0.000	-1.415	-6.639	-6.322	-0.390
70.0	0.000	-1.415	-6.639	-6.322	-0.390
75.0	0.000	-1.415	-6.639	-6.322	-0.390
80.0	0.000	-1.415	-6.639	-6.322	-0.390
85.0	0.000	-1.415	-6.639	-6.322	-0.390
90.0	0.000	-1.415	-6.639	-6.322	-0.390

100% (1.0000)

WING 243 POINT 14 ALPHA 21.00 PSI	0.00 HEIGHT	04.43	0.00 HEIGHT	04.43	
L/C %	DP 2	DP 6	DP 12	DP 16	DP 22
0.0	-0.143	-0.837	-2.940	-1.871	-1.312
2.5	-0.100	-0.837	-3.111	-1.871	-1.312
5.0	-0.057	-0.837	-3.282	-2.042	-1.312
10.0	-0.014	-0.837	-3.453	-2.213	-1.312
15.0	0.029	-0.837	-3.624	-2.384	-1.312
20.0	0.072	-0.837	-3.795	-2.555	-1.312
25.0	0.115	-0.837	-3.966	-2.726	-1.312
30.0	0.158	-0.837	-4.137	-2.897	-1.312
35.0	0.201	-0.837	-4.308	-3.068	-1.312
40.0	0.244	-0.837	-4.479	-3.239	-1.312
45.0	0.287	-0.837	-4.650	-3.410	-1.312
50.0	0.330	-0.837	-4.821	-3.581	-1.312
55.0	0.373	-0.837	-4.992	-3.752	-1.312
60.0	0.416	-0.837	-5.163	-3.923	-1.312
65.0	0.459	-0.837	-5.334	-4.094	-1.312
70.0	0.502	-0.837	-5.505	-4.265	-1.312
75.0	0.545	-0.837	-5.676	-4.436	-1.312
80.0	0.588	-0.837	-5.847	-4.607	-1.312
85.0	0.631	-0.837	-6.018	-4.778	-1.312
90.0	0.674	-0.837	-6.189	-4.949	-1.312
95.0	0.717	-0.837	-6.360	-5.120	-1.312
100.0	0.760	-0.837	-6.531	-5.291	-1.312

100% (1.0000)

WING 244 POINT 4	ALPHA 4.00	PSI	DP 2	DP 6	DP 12	DP 16	DP 22
L/C %	DP 2	DP 6	DP 12	DP 16	DP 22		
0.0	-1.040	-0.892	-0.443	0.154	-2.720		
2.5	0.324	0.435	-0.105	-0.074	-1.713		
5.0	0.263	0.263	-0.214	-0.027	-1.254		
10.0	0.204	0.195	-0.375	-0.034	-0.965		
15.0	0.171	0.087	-0.648	-0.036	-0.700		
20.0	-0.001	-0.121	-0.758	-0.047	-0.027		
25.0	-0.166	-0.230	-0.827	-0.716	-0.009		
30.0	-0.433	-0.427	-1.000	-0.068	-0.763		
35.0	-0.619	-0.700	-1.207	-1.207	-1.131		
40.0	-0.819	-1.044	-1.497	-2.351	-1.480		
45.0	-0.837	-1.061	-1.764	-2.500	-2.003		
50.0	-0.181	-0.400	-0.803	-0.734	-0.008		
55.0	-0.490	-0.821	-1.326	-3.037	-4.812		
60.0	-0.720	-1.144	-1.610	-3.030	-3.966		
65.0	-0.901	-1.730	-2.453	-3.573	-3.340		
70.0	-0.862	-2.478	-1.883	-1.824	-1.947		
75.0	-0.964	-1.318	-0.936	-1.733	-1.271		
80.0	-0.640	-1.038	-0.812	-1.850	-0.034		
85.0	-0.600	-0.810	-0.268	-0.340	-2.082		
90.0	-0.180	-0.121	-0.174	-0.181	-0.003		
2.5	-1.111	-0.960	-0.660	0.042	0.417		
5.0	-1.200	-0.823	-0.583	0.037	0.243		
10.0	-0.779	-0.917	-0.415	0.010	0.238		
15.0	-0.264	-0.323	-0.112	0.003	0.073		
20.0	-0.110	-0.126	0.004	0.116	-0.027		
25.0	-0.110	-0.163	0.210	0.004	-0.047		
30.0	0.290	0.294	0.300	0.201	0.300		
35.0	0.754	0.754	0.300	0.201	0.429		
40.0	0.400	0.400	-0.035	0.300	0.429		
45.0	0.570	0.610	-0.471	0.337	0.337		

100% (1.0000)

WING PERSONAL CONFIDENTIAL

[illegible]

NAME	245	PHASE	3	ALPHA	0.00	PS1	0.00	HEIGHT	05.00
R/C	%		IMP	3	IMP	0	IMP	12	IMP
0.0	(DEPTH)								
2.5	0.0000		-0.037		-0.017		-0.720		-0.070
5.0	0.0000		0.0000		0.041		-0.431		-0.462
10.0	0.0376		0.0376		0.046		-0.490		-0.469
15.0	0.0904		0.0904		0.057		-0.650		-0.647
20.0	0.0340		0.0340		0.222		-0.370		-0.367
25.0	0.0604		0.0604		0.036		-0.377		-0.011
30.0	0.0000		0.0000		0.180		-0.340		-0.377
35.0	0.0244		0.0244		0.158		-0.376		-0.700
40.0	0.0718		0.0718		0.080		-0.942		-1.122
45.0	0.0000		0.0000		0.078		-3.398		-3.795
50.0	-0.0402		-0.0402		0.043		-0.745		-0.431
55.0	0.0324		0.0324		0.180		-0.525		-0.160
60.0	-0.2357		-0.2357		0.024		-0.817		-0.568
65.0	0.0340		0.0340		0.007		-3.031		-3.187
70.0	-0.0024		-0.0024		0.036		-4.354		-2.012
75.0	0.0224		0.0224		0.007		-1.130		-1.722
80.0	0.0700		0.0700		0.217		-3.847		-1.767
85.0	-0.0400		-0.0400		0.077		-0.240		-0.001
90.0	-0.0033		-0.0033		0.003		0.321		-2.150
100.0	-0.1400		-0.1400		0.121		-0.535		-0.730
2.5	(DEPTH)								
5.0	0.0000		0.0000		0.004		-0.004		0.000
10.0	0.0027		0.0027		0.054		-0.033		-0.031
15.0	0.0000		0.0000		0.009		-0.047		-0.172
20.0	0.0358		0.0358		0.060		-0.060		-0.370
25.0	0.0334		0.0334		0.032		-0.080		-0.004
30.0	0.0360		0.0360		0.003		-0.110		-0.360
35.0	0.0175		0.0175		0.254		-0.170		-0.480
40.0	0.0072		0.0072		0.050		-0.095		0.560
45.0	0.0081		0.0081		0.185		-0.350		0.370

WING PERSONNEL COFFICIENT

NAME	2004	PERIOD	6	14P000	5.00	70.1	0.00	MEANST	00.10
	2/C	%	DP 2	DP 6	DP 10	DP 14	DP 18	DP 16	DP 22
0.0			-1.533	-1.012	0.029	-0.716	-1.790		
2.5			0.267	0.267	-0.239	-1.163	-3.079		
5.0			0.263	0.137	-0.441	-0.883	-2.762		
10.0			0.120	-0.060	-0.566	-0.916	-1.641		
15.0			0.026	-0.168	-0.807	-0.972	-1.212		
20.0			-0.120	-0.313	-0.842	-0.834	-0.963		
25.0			-0.263	-0.416	-0.866	-0.873	-0.811		
30.0			-0.511	-0.516	-1.143	-0.663	-1.041		
35.0			-0.760	-0.536	-1.461	-1.419	-1.411		
40.0			-0.937	-0.807	-1.843	-3.730	-4.090		
45.0			-0.946	-0.824	-2.260	-3.566	-3.139		
50.0			-0.460	-0.774	-1.640	-0.187	-0.083		
55.0			-0.747	-0.568	-1.095	-0.460	-0.818		
60.0			-0.912	-0.453	-0.387	-1.172	-1.012		
65.0			-1.080	-0.326	-0.876	-2.064	-2.260		
70.0			-1.248	-0.144	-1.583	-3.063	-3.260		
75.0			-1.179	-0.160	-2.162	-4.056	-4.061		
80.0			-0.924	-0.248	-1.197	-3.051	-3.061		
85.0			-0.637	-0.401	-0.177	-0.418	-2.130		
90.0			-0.400	-0.305	-0.260	-0.273	-0.160		
95.0			-1.207	-0.431	-0.375	-0.260	-0.062		
100.0			-0.876	-0.268	-0.194	-0.476	-0.346		
2.5			-0.16	-0.723	-0.943	-0.343	-0.246		
5.0			0.010	-0.604	-0.697	-0.363	-0.137		
10.0			0.010	-0.079	-0.183	-0.318	-0.047		
15.0			0.212	-0.260	-0.374	-0.060	-0.046		
20.0			0.346	-0.774	-0.766	-0.057	-0.240		
25.0			0.760	-0.900	-0.826	-0.040	-0.040		
30.0			0.664	-0.777	-0.750	-0.763	-0.763		

NAME	244 POINT	8 ALPHA	11.06 PSI	0.00 WEIGHT	04.75	
Z/C	%	DP 2	DP 6	DP 12	DP 16	DP 22
0.0	0.00000	-0.740	-0.110	0.117	-2.923	-2.762
2.5	0.200	0.200	0.041	-0.762	-1.763	-3.711
5.0	0.160	-0.040	-0.110	-0.724	-1.440	-3.010
10.0	-0.040	-0.263	-0.263	-0.529	-1.261	-3.060
15.0	-0.100	-0.200	-0.057	-0.152	-1.241	-2.741
20.0	-0.227	-0.521	-0.016	-1.062	-1.906	-1.906
25.0	-0.420	-0.610	-0.950	-1.070	-0.805	-0.805
30.0	-0.582	-0.500	-1.242	-0.030	-1.240	-1.240
35.0	-0.507	-1.120	-1.503	-1.044	-1.733	-1.733
40.0	-0.057	-2.187	-1.376	-0.010	-0.161	-0.161
45.0	-0.004	-0.254	-0.320	-0.410	-0.443	-0.443
50.0	-0.005	-0.000	-0.000	-0.500	-0.503	-0.503
55.0	-0.007	-0.503	-0.013	-0.242	-0.242	-0.242
60.0	-1.031	-0.763	-0.000	-0.000	-0.000	-0.000
65.0	-0.150	-1.264	-0.720	-2.142	-2.142	-2.142
70.0	-1.262	-0.022	-0.050	-2.212	-2.212	-2.212
75.0	-1.263	-1.700	-2.311	-2.043	-2.043	-2.043
80.0	-1.000	-1.402	-1.742	-1.000	-1.000	-1.000
85.0	-0.977	-1.214	-0.543	-0.007	-0.224	-0.224
90.0	-0.500	-0.000	-0.000	-0.423	-0.003	-0.003
95.0	-0.340	-0.500	-0.972	-0.240	-0.240	-0.240
100.0	-0.022	-0.162	0.000	-0.304	-0.304	-0.304
2.5	(1.00000)	-0.312	-0.322	0.124	0.300	0.290
5.0	0.010	-0.312	-0.322	0.124	0.262	0.210
10.0	0.110	-0.140	0.100	0.214	0.270	-0.000
15.0	0.210	-0.210	0.260	0.260	0.270	-0.000
20.0	0.300	-0.340	0.261	0.000	0.000	-0.000
25.0	0.530	-0.795	0.070	0.070	0.250	0.250
30.0	0.607	-1.004	-0.070	0.060	0.060	0.060
35.0	0.607	-0.007	0.762	0.762	0.762	0.762

MINI PRESSURE COEFFICIENTS

MINI 345	POINT 0	ALPHA	12.00	PSI	0.00	HEIGHT	82.22
I/C, %	BP 2	BP 6	BP 10	BP 12	BP 16	BP 22	
0.0	0.0000	-2.0000	-1.207	-0.145	-1.225	-0.000	
2.5	0.0000	0.534	0.214	-0.513	-1.012	-0.071	
5.0	0.0000	0.047	0.047	-0.048	-1.362	-0.000	
10.0	0.0000	-0.118	0.120	-0.049	-1.283	-0.260	
15.0	0.0000	-0.008	-0.200	-0.095	-1.248	-1.000	
20.0	0.0000	-0.251	-0.000	-1.000	-1.227	-1.003	
25.0	0.0000	-0.414	-0.007	-1.178	-1.240	-1.007	
30.0	0.0000	-0.587	-0.587	-1.528	-1.254	-1.070	
35.0	0.0000	-0.760	-0.760	-1.894	-1.004	-1.070	
40.0	0.0000	-0.934	-0.934	-2.260	-0.888	-0.000	
45.0	0.0000	-1.107	-1.107	-2.626	-0.772	-0.000	
50.0	0.0000	-1.280	-1.280	-2.992	-0.656	-0.000	
55.0	0.0000	-1.453	-1.453	-3.358	-0.540	-0.000	
60.0	0.0000	-1.626	-1.626	-3.724	-0.424	-0.000	
65.0	0.0000	-1.799	-1.799	-4.090	-0.308	-0.000	
70.0	0.0000	-1.972	-1.972	-4.456	-0.192	-0.000	
75.0	0.0000	-2.145	-2.145	-4.822	-0.076	-0.000	
80.0	0.0000	-2.318	-2.318	-5.188	0.040	-0.000	
85.0	0.0000	-2.491	-2.491	-5.554	0.156	-0.000	
90.0	0.0000	-2.664	-2.664	-5.920	0.272	-0.000	
95.0	0.0000	-2.837	-2.837	-6.286	0.388	-0.000	
100.0	0.0000	-3.010	-3.010	-6.652	0.504	-0.000	

MINI 345	POINT 5	ALPHA	4.01	PSI	0.00	HEIGHT	80.04
I/C, %	BP 2	BP 6	BP 10	BP 12	BP 16	BP 22	
0.0	0.0000	-0.000	-0.000	-0.000	-0.000	-0.000	
2.5	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
5.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
10.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
15.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
20.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
25.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
30.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
35.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
40.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
45.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
50.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
55.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
60.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
65.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
70.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
75.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
80.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
85.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
90.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
95.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	
100.0	0.0000	0.000	0.000	-0.000	-0.000	-0.000	

MINI 345	POINT 14	ALPHA	22.03	PSI	0.00	HEIGHT	80.51
I/C, %	BP 2	BP 6	BP 10	BP 12	BP 16	BP 22	
0.0	0.0000	-0.412	0.734	-1.343	-7.304	-0.138	
2.5	0.0000	0.000	-0.358	-1.003	-3.540	-0.400	
5.0	0.0000	0.000	-0.000	-1.000	-2.787	-7.137	
10.0	0.0000	-0.250	0.772	-1.015	-2.354	-7.000	
15.0	0.0000	-0.500	0.000	-1.000	-2.110	-4.784	
20.0	0.0000	-0.750	-0.007	-1.000	-1.863	-2.530	
25.0	0.0000	-1.000	-0.007	-1.000	-1.612	-2.112	
30.0	0.0000	-1.250	-0.007	-1.000	-1.361	-2.243	
35.0	0.0000	-1.500	-0.007	-1.000	-1.110	-2.747	
40.0	0.0000	-1.750	-0.007	-1.000	-0.859	-3.251	
45.0	0.0000	-2.000	-0.007	-1.000	-0.608	-3.755	
50.0	0.0000	-2.250	-0.007	-1.000	-0.357	-4.259	
55.0	0.0000	-2.500	-0.007	-1.000	-0.106	-4.763	
60.0	0.0000	-2.750	-0.007	-1.000	0.145	-5.267	
65.0	0.0000	-3.000	-0.007	-1.000	0.396	-5.771	
70.0	0.0000	-3.250	-0.007	-1.000	0.647	-6.275	
75.0	0.0000	-3.500	-0.007	-1.000	0.898	-6.779	
80.0	0.0000	-3.750	-0.007	-1.000	1.149	-7.283	
85.0	0.0000	-4.000	-0.007	-1.000	1.400	-7.787	
90.0	0.0000	-4.250	-0.007	-1.000	1.651	-8.291	
95.0	0.0000	-4.500	-0.007	-1.000	1.902	-8.795	
100.0	0.0000	-4.750	-0.007	-1.000	2.153	-9.299	

MINI 345	POINT 7	ALPHA	0.02	PSI	0.00	HEIGHT	80.25
I/C, %	BP 2	BP 6	BP 10	BP 12	BP 16	BP 22	
0.0	0.0000	-1.072	-0.474	-0.474	-0.474	-0.474	
2.5	0.0000	0.340	-0.448	-0.448	-0.448	-0.448	
5.0	0.0000	0.310	-0.460	-0.460	-0.460	-0.460	
10.0	0.0000	0.041	-0.707	-0.707	-0.707	-0.707	
15.0	0.0000	-0.003	-0.075	-0.075	-0.075	-0.075	
20.0	0.0000	-0.271	-1.011	-1.011	-1.011	-1.011	
25.0	0.0000	-0.372	-1.072	-1.072	-1.072	-1.072	
30.0	0.0000	-0.500	-1.340	-1.340	-1.340	-1.340	
35.0	0.0000	-0.600	-1.600	-1.600	-1.600	-1.600	
40.0	0.0000	-0.700	-1.860	-1.860	-1.860	-1.860	
45.0	0.0000	-0.800	-2.120	-2.120	-2.120	-2.120	
50.0	0.0000	-0.900	-2.380	-2.380	-2.380	-2.380	
55.0	0.0000	-1.000	-2.640	-2.640	-2.640	-2.640	
60.0	0.0000	-1.100	-2.900	-2.900	-2.900	-2.900	
65.0	0.0000	-1.200	-3.160	-3.160	-3.160	-3.160	
70.0	0.0000	-1.300	-3.420	-3.420	-3.420	-3.420	
75.0	0.0000	-1.400	-3.680	-3.680	-3.680	-3.680	
80.0	0.0000	-1.500	-3.940	-3.940	-3.940	-3.940	
85.0	0.0000	-1.600	-4.200	-4.200	-4.200	-4.200	
90.0	0.0000	-1.700	-4.460	-4.460	-4.460	-4.460	
95.0	0.0000	-1.800	-4.720	-4.720	-4.720	-4.720	
100.0	0.0000	-1.900	-4.980	-4.980	-4.980	-4.980	

MINO PRESSURE COEFFICIENTS

MIN 240 POINT 3 ALPHA	0.01 PSI	0.00 HEIGHT	00.00
1/C, %	BP 2	BP 6	BP 12
0.0 (NUPPER)	-0.740	-0.641	-0.522
2.5	-0.713	-0.608	-0.510
5.0	-0.696	-0.596	-0.500
10.0	-0.680	-0.580	-0.485
15.0	-0.665	-0.565	-0.470
20.0	-0.650	-0.550	-0.455
25.0	-0.635	-0.535	-0.440
30.0	-0.620	-0.520	-0.425
35.0	-0.605	-0.505	-0.410
40.0	-0.590	-0.490	-0.395
45.0	-0.575	-0.475	-0.380
50.0	-0.560	-0.460	-0.365
55.0	-0.545	-0.445	-0.350
60.0	-0.530	-0.430	-0.335
65.0	-0.515	-0.415	-0.320
70.0	-0.500	-0.400	-0.305
75.0	-0.485	-0.385	-0.290
80.0	-0.470	-0.370	-0.275
85.0	-0.455	-0.355	-0.260
90.0	-0.440	-0.340	-0.245
95.0	-0.425	-0.325	-0.230
100.0	-0.410	-0.310	-0.215
105.0	-0.395	-0.295	-0.200
110.0	-0.380	-0.280	-0.185
115.0	-0.365	-0.265	-0.170
120.0	-0.350	-0.250	-0.155
125.0	-0.335	-0.235	-0.140
130.0	-0.320	-0.220	-0.125
135.0	-0.305	-0.205	-0.110
140.0	-0.290	-0.190	-0.095
145.0	-0.275	-0.175	-0.080
150.0	-0.260	-0.160	-0.065
155.0	-0.245	-0.145	-0.050
160.0	-0.230	-0.130	-0.035
165.0	-0.215	-0.115	-0.020
170.0	-0.200	-0.100	-0.005
175.0	-0.185	-0.085	0.010
180.0	-0.170	-0.070	0.025
185.0	-0.155	-0.055	0.040
190.0	-0.140	-0.040	0.055
195.0	-0.125	-0.025	0.070
200.0	-0.110	-0.010	0.085
205.0	-0.095	0.005	0.100
210.0	-0.080	0.020	0.115
215.0	-0.065	0.035	0.130
220.0	-0.050	0.050	0.145
225.0	-0.035	0.065	0.160
230.0	-0.020	0.080	0.175
235.0	-0.005	0.095	0.190
240.0	0.010	0.110	0.205
245.0	0.025	0.125	0.220
250.0	0.040	0.140	0.235
255.0	0.055	0.155	0.250
260.0	0.070	0.170	0.265
265.0	0.085	0.185	0.280
270.0	0.100	0.200	0.295
275.0	0.115	0.215	0.310
280.0	0.130	0.230	0.325
285.0	0.145	0.245	0.340
290.0	0.160	0.260	0.355
295.0	0.175	0.275	0.370
300.0	0.190	0.290	0.385
305.0	0.205	0.305	0.400
310.0	0.220	0.320	0.415
315.0	0.235	0.335	0.430
320.0	0.250	0.350	0.445
325.0	0.265	0.365	0.460
330.0	0.280	0.380	0.475
335.0	0.295	0.395	0.490
340.0	0.310	0.410	0.505
345.0	0.325	0.425	0.520
350.0	0.340	0.440	0.535
355.0	0.355	0.455	0.550
360.0	0.370	0.470	0.565
365.0	0.385	0.485	0.580
370.0	0.400	0.500	0.595
375.0	0.415	0.515	0.610
380.0	0.430	0.530	0.625
385.0	0.445	0.545	0.640
390.0	0.460	0.560	0.655
395.0	0.475	0.575	0.670
400.0	0.490	0.590	0.685
405.0	0.505	0.605	0.700
410.0	0.520	0.620	0.715
415.0	0.535	0.635	0.730
420.0	0.550	0.650	0.745
425.0	0.565	0.665	0.760
430.0	0.580	0.680	0.775
435.0	0.595	0.695	0.790
440.0	0.610	0.710	0.805
445.0	0.625	0.725	0.820
450.0	0.640	0.740	0.835
455.0	0.655	0.755	0.850
460.0	0.670	0.770	0.865
465.0	0.685	0.785	0.880
470.0	0.700	0.800	0.895
475.0	0.715	0.815	0.910
480.0	0.730	0.830	0.925
485.0	0.745	0.845	0.940
490.0	0.760	0.860	0.955
495.0	0.775	0.875	0.970
500.0	0.790	0.890	0.985
505.0	0.805	0.905	1.000
510.0	0.820	0.920	1.015
515.0	0.835	0.935	1.030
520.0	0.850	0.950	1.045
525.0	0.865	0.965	1.060
530.0	0.880	0.980	1.075
535.0	0.895	0.995	1.090
540.0	0.910	1.010	1.105
545.0	0.925	1.025	1.120
550.0	0.940	1.040	1.135
555.0	0.955	1.055	1.150
560.0	0.970	1.070	1.165
565.0	0.985	1.085	1.180
570.0	1.000	1.100	1.195
575.0	1.015	1.115	1.210
580.0	1.030	1.130	1.225
585.0	1.045	1.145	1.240
590.0	1.060	1.160	1.255
595.0	1.075	1.175	1.270
600.0	1.090	1.190	1.285
605.0	1.105	1.205	1.300
610.0	1.120	1.220	1.315
615.0	1.135	1.235	1.330
620.0	1.150	1.250	1.345
625.0	1.165	1.265	1.360
630.0	1.180	1.280	1.375
635.0	1.195	1.295	1.390
640.0	1.210	1.310	1.405
645.0	1.225	1.325	1.420
650.0	1.240	1.340	1.435
655.0	1.255	1.355	1.450
660.0	1.270	1.370	1.465
665.0	1.285	1.385	1.480
670.0	1.300	1.400	1.495
675.0	1.315	1.415	1.510
680.0	1.330	1.430	1.525
685.0	1.345	1.445	1.540
690.0	1.360	1.460	1.555
695.0	1.375	1.475	1.570
700.0	1.390	1.490	1.585
705.0	1.405	1.505	1.600
710.0	1.420	1.520	1.615
715.0	1.435	1.535	1.630
720.0	1.450	1.550	1.645
725.0	1.465	1.565	1.660
730.0	1.480	1.580	1.675
735.0	1.495	1.595	1.690
740.0	1.510	1.610	1.705
745.0	1.525	1.625	1.720
750.0	1.540	1.640	1.735
755.0	1.555	1.655	1.750
760.0	1.570	1.670	1.765
765.0	1.585	1.685	1.780
770.0	1.600	1.700	1.795
775.0	1.615	1.715	1.810
780.0	1.630	1.730	1.825
785.0	1.645	1.745	1.840
790.0	1.660	1.760	1.855
795.0	1.675	1.775	1.870
800.0	1.690	1.790	1.885
805.0	1.705	1.805	1.900
810.0	1.720	1.820	1.915
815.0	1.735	1.835	1.930
820.0	1.750	1.850	1.945
825.0	1.765	1.865	1.960
830.0	1.780	1.880	1.975
835.0	1.795	1.895	1.990
840.0	1.810	1.910	2.005
845.0	1.825	1.925	2.020
850.0	1.840	1.940	2.035
855.0	1.855	1.955	2.050
860.0	1.870	1.970	2.065
865.0	1.885	1.985	2.080
870.0	1.900	2.000	2.095
875.0	1.915	2.015	2.110
880.0	1.930	2.030	2.125
885.0	1.945	2.045	2.140
890.0	1.960	2.060	2.155
895.0	1.975	2.075	2.170
900.0	1.990	2.090	2.185
905.0	2.005	2.105	2.200
910.0	2.020	2.120	2.215
915.0	2.035	2.135	2.230
920.0	2.050	2.150	2.245
925.0	2.065	2.165	2.260
930.0	2.080	2.180	2.275
935.0	2.095	2.195	2.290
940.0	2.110	2.210	2.305
945.0	2.125	2.225	2.320
950.0	2.140	2.240	2.335
955.0	2.155	2.255	2.350
960.0	2.170	2.270	2.365
965.0	2.185	2.285	2.380
970.0	2.200	2.300	2.395
975.0	2.215	2.315	2.410
980.0	2.230	2.330	2.425
985.0	2.245	2.345	2.440
990.0	2.260	2.360	2.455
995.0	2.275	2.375	2.470
1000.0	2.290	2.390	2.485

MINO PRESSURE COEFFICIENTS

MIN 240 POINT 5 ALPHA	0.00 PSI	0.00 HEIGHT	04.01
1/C, %	BP 2	BP 6	BP 12
0.0 (NUPPER)	-0.600	-0.707	-0.773
2.5	-0.590	-0.697	-0.763
5.0	-0.580	-0.687	-0.753
10.0	-0.570	-0.677	-0.743
15.0	-0.560	-0.667	-0.733
20.0	-0.550	-0.657	-0.723
25.0	-0.540	-0.647	-0.713
30.0	-0.530	-0.637	-0.703
35.0	-0.520	-0.627	-0.693
40.0	-0.510	-0.617	-0.683
45.0	-0.500	-0.607	-0.673
50.0	-0.490	-0.597	-0.663
55.0	-0.480	-0.587	-0.653
60.0	-0.470	-0.577	-0.643
65.0	-0.460	-0.567	-0.633
70.0	-0.450	-0.557	-0.623
75.0	-0.440	-0.547	-0.613
80.0	-0.430	-0.537	-0.603
85.0	-0.420	-0.527	-0.593
90.0	-0.410	-0.517	-0.583
95.0	-0.400	-0.507	-0.573
100.0	-0.390	-0.497	-0.563
105.0	-0.380	-0.487	-0.553
110.0	-0.370	-0.477	-0.543
115.0	-0.360	-0.467	-0.533
120.0	-0.350	-0.457	-0.523
125.0	-0.340	-0.447	-0.513
130.0	-0.330	-0.437	-0.503
135.0	-0.320	-0.427	-0.493
140.0	-0.310	-0.417	-0.483
145.0	-0.300	-0.407	-0.473
150.0	-0.290	-0.397	-0.463
155.0	-0.280	-0.387	-0.453
160.0	-0.270	-0.377	-0.443
165.0	-0.260	-0.367	-0.433
170.0	-0.250	-0.357	-0.423
175.0	-0.240	-0.347	-0.413
180.0	-0.230	-0.337	-0.403
185.0	-0.220	-0.327	-0.393
190.0	-0.210	-0.317	-0.383
195.0	-0.200	-0.307	-0.373
200.0	-0.190	-0.297	-0.363
205.0	-0.180	-0.287	-0.353
210.0	-0.170	-0.277	-0.343
215.0	-0.160	-0.267	-0.333
220.0	-0.150	-0.257	-0.323
225.0	-0.140	-0.247	-0.313
230.0	-0.130	-0.237	-0.303
235.0	-0.120	-0.227	-0.293
240.0	-0.110	-0.217	-0.283
245.0	-0.100	-0.207	-0.273
250.0	-0.090	-0.197	-0.263
255.0	-0.080	-0.187	-0.253
260.0	-0.070	-0.177	-0.243
265.0	-0.060	-0.167	-0.233
270.0	-0.050	-0.157	-0.223
275.0	-0.040	-0.147	-0.213
280.0	-0.030	-0.137	-0.203
285.0	-0.020	-0.127	-0.193
290.0	-0.010	-0.117	-0.183
295.0	0.000	-0.107	-0.173
300.0	0.010	-0.097	-0.163
305.0	0.020	-0.087	-0.153
310.0	0.030	-0.077	-0.143
315.0	0.040	-0.067	-0.133
320.0	0.050	-0.057	-0.123
325.0	0.060	-0.047	-0.113
330.0	0.070	-0.037	-0.103
335.0	0.080	-0.027	-0.093
340.0	0.090	-0.017	-0.083
345.0	0.100	0.000	-0.073
350.0	0.110	0.010	-0.063
355.0	0.120	0.020	-0.053
360.0	0.130	0.030	-0.043
365.0	0.140	0.040	-0.033
370.0	0.150	0.050	-0.023
375.0	0.160	0.060	-0.013
380.0	0.170	0.070	0.000
385.0	0.180	0.080	0.010
390.0	0.190	0.090	0.020
395.0	0.200	0.100	0.030
400.0	0.210	0.110	0.040
405.0	0.220	0.120	0.050
410.0	0.230	0.130	0.060
415.0	0.240	0.140	0.070
420.0	0.250	0.150	0.080
425.0	0.260	0.160	0.090
430.0	0.270	0.170	0.100
435.0	0.280	0.180	0.110
440.0	0.290	0.190	0.120
445.0	0.300	0.200	0.130
450.0	0.310	0.210	0.140
455.0	0.320	0.220	0.150
460.0	0.330	0.230	0.160
465.0	0.340	0.240	0.170
470.0	0.350	0.250	0.180
475.0	0.360	0.260	0.190
480.0	0.370	0.270	0.200
485.0	0.380	0.280	0.210
490.0	0.390	0.290	0.220
495.0	0.400	0.300	0.230
500.0	0.410	0.310	0.240
505.0	0.420	0.320	0.250
510.0	0.430	0.330	0.260
515.0	0.440	0.340	0.270
520.0	0.450	0.350	0.280
525.0	0.460	0.360	0.290
530.0	0.470	0.370	0.300
535.0	0.480	0.380	0.310
540.0	0.490	0.390	0.320
545.0	0.500	0.400	0.330
550.0	0.510	0.410	0.340
555.0	0.520	0.420	0.350
560.0	0.530	0.430	0.360
565.0	0.540	0.440	0.370
570.0	0.550	0.450	0.380
575.0	0.560	0.460	0.390
580.0	0.570	0.470	0.400
585.0	0.580	0.480	0.410
590.0	0.590	0.490	0.420
595.0	0.600	0.500	0.430
600.0	0.610	0.510	0.440
605.0	0.620	0.520	0.450
610.0	0.630	0.530	0.460
615.0	0.640	0.540	0.470
620.0	0.650	0.550	0.480
625.0	0.660	0.560	0.490
630.0	0.670	0.570	0.500
635.0	0.680	0.580	0.510
640.0	0.690	0.590	0.520
645.0	0.700	0.600	0.530
650.0	0.710	0.610	0.540
655.0	0.720	0.620	0.550
660.0	0.730	0.630	0.560
665.0	0.740	0.640	0.570
670.0	0.750	0.650	0.580
675.0	0.760	0.660	0.590
680.0	0.770	0.670	0.600
685.0	0.780	0.680	0.610
690.0	0.790	0.690	0.620
695.0	0.800	0.700	0.630
700.0	0.810	0.710	0.640
705.0	0.820	0.720	0.650
710.0	0.830	0.730	0.660
715.0	0.840	0.740	0.670
720.0	0.850	0.750	0.680
725.0	0.860	0.760	0.690
730.0	0.870	0.770	0.700
735.0	0.880	0.780	0.710
740.0	0.890	0.790	0.720
745.0	0.900	0.800	0.730
750.0	0.910	0.810	0.740
755.0	0.920	0.820	0.750
760.0	0.930	0.830	0.760
765.0	0.940	0.840	0.770
770.0	0.950	0.850	0.780
775.0	0.960	0.860	0.790
780.0	0.970	0.870	0.800
785.0	0.980	0.880	0.810
790.0	0.990	0.890	0.820
795.0	1.000	0.900	0.830
800.0	1.010	0.910	0.840
805.0	1.020	0.920	0.850
810.0	1.030	0.930	0.860
815.0	1.040	0.940	0.870
820.0	1.050	0.950	0.880
825.0	1.060	0.960	0.890
830.0	1.070	0.970	0.900
835.0	1.080	0.980	0.910
840.0	1.090	0.990	0.920
845.0	1.100	1.000	0.930
850.0	1.110	1.010	0.940
855.0	1.120	1.020	0.950
860.0	1.130	1.030	0.960
865.0	1.140	1.040	0.970
870.0	1.150	1.050	0.980
875.0	1.160	1.060	0.990
880.0	1.170	1.070	1.000
885.0	1.180	1.080	1.010
890.0	1.190	1.090	1.020
895.0	1.200	1.100	1.030
900.0	1.210	1.110	1.040
905.0	1.220	1.120	1.050
910.0	1.230	1.130	1.060
915.0	1.240	1.140	1.070
920.0	1.250	1.150	1.080
925.0	1.260	1.160	1.090
930.0	1.270	1.170	1.100
935.0	1.280	1.180	1.110
940.0	1.290	1.190	1.120
945.0	1.300	1.200	1.130
950.0	1.310	1.210	1.140
955.0	1.320	1.220	1.150
960.0	1.330	1.230	1.160
965.0	1.340	1.240	1.170
970.0	1.350	1.250	1.180
975.0	1.360	1.260	1.190
980.0	1.370	1.270	1.200
985.0	1.380	1.280	1.210
990.0	1.390	1.290	1.220
995.0	1.400	1.300	1.230
1000.0	1.410	1.310	1.240

MINI PRESSURE COEFFICIENTS

MIN 247 POINT 13 ALPHA	22.00 PSI	0.00 HEIGHT	87.87
X/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	-3.101	-1.727	-0.454
2.5	0.417	-0.991	-0.873
5.0	0.150	-0.377	-1.148
10.0	-0.120	-0.376	-1.283
15.0	-0.350	-0.866	-1.300
20.0	-0.770	-0.827	-1.526
25.0	-0.968	-1.133	-1.610
30.0	-0.760	-2.342	-2.342
35.0	-0.455	-1.788	-2.814
40.0	-0.532	-0.878	-2.814
45.0	-0.532	-0.878	-2.814
50.0	-0.532	-0.878	-2.814
55.0	-0.532	-0.878	-2.814
60.0	-0.532	-0.878	-2.814
65.0	-0.532	-0.878	-2.814
70.0	-0.532	-0.878	-2.814
75.0	-0.532	-0.878	-2.814
80.0	-0.532	-0.878	-2.814
85.0	-0.532	-0.878	-2.814
90.0	-0.532	-0.878	-2.814
95.0	-0.532	-0.878	-2.814
100.0	-0.532	-0.878	-2.814

MINI PRESSURE COEFFICIENTS

MIN 247 POINT 2 ALPHA	0.01 PSI	0.00 HEIGHT	87.40
X/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	-1.117	-1.438	-0.831
2.5	0.380	0.889	2.045
5.0	0.187	0.658	0.864
10.0	0.103	0.758	0.211
15.0	0.087	0.081	0.134
20.0	-0.324	-0.100	-0.168
25.0	-0.552	-0.450	-0.240
30.0	-0.588	-2.358	-1.258
35.0	-0.548	-1.481	-1.845
40.0	-0.548	-1.481	-1.845
45.0	-0.548	-1.481	-1.845
50.0	-0.548	-1.481	-1.845
55.0	-0.548	-1.481	-1.845
60.0	-0.548	-1.481	-1.845
65.0	-0.548	-1.481	-1.845
70.0	-0.548	-1.481	-1.845
75.0	-0.548	-1.481	-1.845
80.0	-0.548	-1.481	-1.845
85.0	-0.548	-1.481	-1.845
90.0	-0.548	-1.481	-1.845
95.0	-0.548	-1.481	-1.845
100.0	-0.548	-1.481	-1.845

MINI PRESSURE COEFFICIENTS

MIN 247 POINT 6 ALPHA	7.98 PSI	0.00 HEIGHT	87.80
X/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	-0.972	-1.233	-1.552
2.5	0.610	0.683	-0.388
5.0	0.348	0.508	-0.887
10.0	0.121	0.797	-0.590
15.0	-0.314	0.048	-0.460
20.0	-0.464	-0.371	-0.582
25.0	-1.619	-1.159	-1.182
30.0	-1.341	-1.316	-1.583
35.0	-0.475	-4.844	-3.840
40.0	-0.532	-276.952	-276.952
45.0	-0.532	-276.952	-276.952
50.0	-0.532	-276.952	-276.952
55.0	-0.532	-276.952	-276.952
60.0	-0.532	-276.952	-276.952
65.0	-0.532	-276.952	-276.952
70.0	-0.532	-276.952	-276.952
75.0	-0.532	-276.952	-276.952
80.0	-0.532	-276.952	-276.952
85.0	-0.532	-276.952	-276.952
90.0	-0.532	-276.952	-276.952
95.0	-0.532	-276.952	-276.952
100.0	-0.532	-276.952	-276.952

WING PRESSURE COEFFICIENTS

WING POINT 8 ALPHA 11.00 PSI 0.00 HEIGHT 88.57

X/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.312	-1.425	-1.583	-2.446	-3.108
2.5	0.519	0.517	-1.181	-1.052	-2.768
5.0	0.288	0.286	-1.847	-1.847	-2.828
10.0	0.220	0.262	-1.953	-2.053	-2.925
15.0	-0.089	-0.133	-1.066	-2.331	-1.459
20.0	-0.534	-0.233	-1.189	-2.006	-1.874
25.0	-0.880	-0.561	-1.027	-2.077	-2.069
30.0	-1.251	-1.821	-1.773	-1.125	-2.016
35.0	-0.355	-1.538	-2.215	-3.247	-2.533
40.0	-0.864	-3.565	-6.073	-7.403	-6.470
45.0	-32.784	-289.553	-264.718	-228.735	-128.783
50.0	-14.872	-12.516	-18.937	-38.820	-6.894
55.0	-1.072	-2.095	-2.454	-16.234	-17.643
60.0	11.785	0.448	18.808	-6.868	3.592
65.0	-16.756	-7.323	-9.256	-6.410	-3.642
70.0	-2.388	-8.841	-0.078	-2.824	-0.066
75.0	-0.149	-2.302	-11.862	-3.120	0.077
80.0	0.045	-2.848	0.830	-8.774	-0.464
85.0	-1.400	-3.013	2.882	-1.250	-7.866
90.0	-1.692	-1.864	-2.811	-3.456	-2.385
95.0	-1.350	-1.295	-1.756	-1.840	0.370
100.0	-1.038	-1.163	-1.382	-1.818	0.045
2.5 (LOWER)	-1.140	-1.113	-1.707	-1.528	0.191
5.0	-1.385	-1.507	-1.718	-1.854	-0.263
10.0	-1.765	-1.764	-1.755	-2.220	-0.248
15.0	-2.416	-1.862	-1.922	-2.168	-3.488
20.0	-3.078	-2.078	-2.078	-2.168	-3.488
25.0	-3.740	-2.740	-2.740	-2.168	-3.488
30.0	-4.402	-3.402	-3.402	-2.168	-3.488
35.0	-5.064	-4.064	-4.064	-2.168	-3.488
40.0	-5.726	-4.726	-4.726	-2.168	-3.488
45.0	-6.388	-5.388	-5.388	-2.168	-3.488
50.0	-7.050	-6.050	-6.050	-2.168	-3.488
55.0	-7.712	-6.712	-6.712	-2.168	-3.488
60.0	-8.374	-7.374	-7.374	-2.168	-3.488
65.0	-9.036	-8.036	-8.036	-2.168	-3.488
70.0	-9.698	-8.698	-8.698	-2.168	-3.488
75.0	-10.360	-9.360	-9.360	-2.168	-3.488
80.0	-11.022	-10.022	-10.022	-2.168	-3.488
85.0	-11.684	-10.684	-10.684	-2.168	-3.488
90.0	-12.346	-11.346	-11.346	-2.168	-3.488
95.0	-13.008	-12.008	-12.008	-2.168	-3.488
100.0	-13.670	-12.670	-12.670	-2.168	-3.488

WING PRESSURE COEFFICIENTS

WING POINT 2 ALPHA 0.00 PSI 0.00 HEIGHT 88.51

X/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.918	-2.668	-2.760	-0.175	-0.182
2.5	0.385	1.097	1.777	0.100	-1.148
5.0	-0.028	0.481	0.451	-0.284	-0.812
10.0	-0.130	-0.882	-0.950	-1.053	-1.551
15.0	-0.452	-0.285	-0.286	-1.276	-0.578
20.0	-1.197	-0.258	-0.181	-1.078	-1.337
25.0	-1.292	-0.875	-0.180	-1.725	-1.844
30.0	-2.203	-3.145	-1.834	-2.203	-1.258
35.0	-0.972	-2.037	-2.474	-2.316	-1.516
40.0	-1.153	-7.150	-8.266	-7.864	-7.024
45.0	-638.312	-972.043	-833.260	-428.872	-237.024
50.0	-24.643	-21.221	-31.832	-88.660	-1.183
55.0	-2.957	-3.711	-2.953	-12.389	-24.099
60.0	37.150	5.316	44.771	-2.742	-1.068
65.0	-16.328	-10.534	-14.050	-5.968	0.819
70.0	8.282	-15.040	-3.680	-0.512	8.888
75.0	1.228	-2.431	-18.891	-1.460	7.470
80.0	0.987	-3.767	-3.580	-0.981	-0.733
85.0	-2.279	-4.168	6.787	5.292	-0.448
90.0	-8.312	-2.368	-0.182	-7.877	-7.911
95.0	-2.972	-2.218	-4.389	-3.879	-0.258
100.0	-3.060	-1.809	-3.280	-2.879	-0.763
2.5 (LOWER)	-2.104	-1.885	-3.838	-1.937	-0.872
5.0	-3.223	-2.840	-3.012	-2.140	-0.832
10.0	-2.268	-3.164	-2.843	-1.547	-0.913
15.0	-1.132	-2.557	-1.461	-4.258	-0.913
20.0	-4.828	-1.264	-0.887	-2.349	-0.779
25.0	-8.401	-0.105	-0.594	0.197	-0.011
30.0	0.174	-0.264	-0.221	-0.464	-0.577

WING POINT 13 ALPHA 22.00 PSI 0.00 HEIGHT 88.57

X/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.380	-1.538	-1.830	-2.060	-1.167
2.5	0.375	0.107	-1.313	-1.778	-0.187
5.0	0.050	-0.264	-1.013	-1.765	-5.512
10.0	-0.116	-0.174	-1.837	-2.024	-3.860
15.0	-0.448	-0.830	-1.764	-2.218	-2.837
20.0	-1.040	-0.960	-2.040	-2.668	-2.895
25.0	-1.183	-1.263	-2.188	-2.878	-3.013
30.0	-0.878	-1.262	-3.215	-0.754	-3.282
35.0	-0.728	-2.078	-3.729	-4.342	-3.878
40.0	-0.887	-8.255	-6.587	-8.367	-11.527
45.0	-334.267	-293.085	-260.724	-228.488	-133.786
50.0	-15.525	-14.663	-10.897	-11.072	-7.788
55.0	-4.538	-1.781	-3.958	-12.408	-0.788
60.0	10.839	-0.576	-16.145	-6.889	-0.174
65.0	-11.585	-8.134	-16.941	-8.368	-0.778
70.0	-2.009	-8.411	-1.491	-4.863	-2.597
75.0	-1.068	-2.387	-13.085	-4.911	-1.843
80.0	-0.726	-7.885	-6.981	-8.249	-0.641
85.0	-2.007	-3.713	-6.728	-6.002	-0.474
90.0	-1.891	-3.374	-2.942	-3.848	-3.848
95.0	-1.891	-1.419	-1.811	-1.042	-0.991
100.0	-1.768	-1.186	-1.395	-0.895	0.146
2.5 (LOWER)	-1.282	-1.188	-1.866	-0.607	0.117
5.0	-1.282	-1.558	-1.284	-0.884	0.060
10.0	-1.373	-1.480	-1.001	-0.257	-0.480
15.0	-0.956	-0.825	-0.648	-1.781	-3.108
20.0	-2.109	-0.112	0.448	-0.847	-0.070
25.0	0.387	0.608	-0.571	1.245	0.478
30.0	0.631	0.813	1.081	0.883	0.045

WING POINT 4 ALPHA 3.00 PSI 0.00 HEIGHT 87.46

X/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.839	-2.375	-1.761	0.495	-1.542
2.5	0.340	0.843	0.569	0.181	-2.194
5.0	0.045	0.444	0.005	-0.441	-1.295
10.0	-0.088	0.815	0.128	-1.258	-0.890
15.0	-0.187	-0.295	0.077	-1.520	-0.890
20.0	-0.868	-0.372	-0.422	-1.776	-1.482
25.0	-1.982	-0.790	-0.378	-1.804	-2.000
30.0	-2.154	-2.485	-1.854	-1.578	-1.424
35.0	-0.825	-1.972	-2.475	-2.438	-1.000
40.0	-1.078	-8.841	-8.022	-8.818	-7.275
45.0	-583.505	-525.232	-452.823	-287.551	-218.348
50.0	-22.333	-18.978	-31.051	-63.051	-1.043
55.0	-2.820	-0.000	-0.000	-12.551	-22.530
60.0	24.738	4.564	38.855	-3.441	-2.204
65.0	-17.428	-8.826	-14.145	-8.043	-0.072
70.0	5.388	-13.940	-2.420	-1.074	5.830
75.0	0.955	-2.325	-1.880	-1.880	6.428
80.0	7.732	-3.483	3.075	-0.558	0.751
85.0	-2.235	-3.005	0.168	4.486	-7.188
90.0	-7.169	-8.984	-8.768	-8.974	-8.995
95.0	-2.528	-2.164	-4.018	-3.784	0.133
100.0	-2.528	-1.830	-3.098	-2.752	-0.384
2.5 (LOWER)	-1.811	-1.753	-2.415	-1.643	-0.882
5.0	-2.886	-2.432	-2.044	-1.188	-0.559
10.0	-2.280	-2.076	-2.051	-1.578	-0.473
15.0	-1.317	-2.884	-1.551	-2.514	-0.933
20.0	-3.803	-1.386	-0.759	-1.721	-0.004
25.0	-6.012	-0.206	-0.601	0.223	0.093
30.0	-0.073	-0.298	-0.138	-0.230	-0.433

MINE PRESSURE COEFFICIENTS

MIN 240 POINT 8 ALPHA 8.00 PSI 0.60 HEIGHT 87.32

X/C. %	BP 2	BP 8	BP 12	BP 16	BP 22
0.0 (HUPPER)	-1.377	-2.177	-2.428	-1.250	-2.710
2.5	0.414	0.708	1.532	-0.410	-3.044
5.0	0.077	0.427	0.872	-0.717	-1.236
10.0	0.187	0.654	0.437	-1.257	-2.120
15.0	-0.287	0.151	0.158	-1.575	-1.289
20.0	-0.788	-0.400	-0.464	-1.872	-1.873
24.0	-0.891	-0.717	-1.322	-1.841	-2.007
28.0	-1.283	-2.127	-1.975	-1.511	-1.828
32.0	-0.804	-1.940	-2.840	-1.151	-1.960
36.0	-1.004	-0.783	-0.275	-0.783	-7.607
40.0	-0.804	-0.783	-0.275	-0.783	-7.607
44.0	-0.804	-0.783	-0.275	-0.783	-7.607
48.0	-0.804	-0.783	-0.275	-0.783	-7.607
52.0	-0.804	-0.783	-0.275	-0.783	-7.607
56.0	-0.804	-0.783	-0.275	-0.783	-7.607
60.0	-0.804	-0.783	-0.275	-0.783	-7.607
64.0	-0.804	-0.783	-0.275	-0.783	-7.607
68.0	-0.804	-0.783	-0.275	-0.783	-7.607
72.0	-0.804	-0.783	-0.275	-0.783	-7.607
76.0	-0.804	-0.783	-0.275	-0.783	-7.607
80.0	-0.804	-0.783	-0.275	-0.783	-7.607
84.0	-0.804	-0.783	-0.275	-0.783	-7.607
88.0	-0.804	-0.783	-0.275	-0.783	-7.607
92.0	-0.804	-0.783	-0.275	-0.783	-7.607
96.0	-0.804	-0.783	-0.275	-0.783	-7.607
100.0	-0.804	-0.783	-0.275	-0.783	-7.607

MINE PRESSURE COEFFICIENTS

MIN 240 POINT 13 ALPHA 21.00 PSI 0.60 HEIGHT 88.00

X/C. %	BP 2	BP 8	BP 12	BP 16	BP 22
0.0 (HUPPER)	-2.000	-2.000	-2.700	-2.900	-5.110
2.5	0.140	0.130	-2.103	-2.063	-4.464
5.0	-0.107	-0.118	-2.506	-2.183	-3.260
10.0	-0.111	-0.185	-2.182	-2.063	-2.575
15.0	-0.520	-0.521	-1.925	-2.375	-2.071
20.0	-1.226	-0.877	-2.195	-2.700	-2.715
24.0	-1.290	-1.104	-2.078	-2.700	-2.715
28.0	-1.290	-1.104	-2.078	-2.700	-2.715
32.0	-1.290	-1.104	-2.078	-2.700	-2.715
36.0	-1.290	-1.104	-2.078	-2.700	-2.715
40.0	-1.290	-1.104	-2.078	-2.700	-2.715
44.0	-1.290	-1.104	-2.078	-2.700	-2.715
48.0	-1.290	-1.104	-2.078	-2.700	-2.715
52.0	-1.290	-1.104	-2.078	-2.700	-2.715
56.0	-1.290	-1.104	-2.078	-2.700	-2.715
60.0	-1.290	-1.104	-2.078	-2.700	-2.715
64.0	-1.290	-1.104	-2.078	-2.700	-2.715
68.0	-1.290	-1.104	-2.078	-2.700	-2.715
72.0	-1.290	-1.104	-2.078	-2.700	-2.715
76.0	-1.290	-1.104	-2.078	-2.700	-2.715
80.0	-1.290	-1.104	-2.078	-2.700	-2.715
84.0	-1.290	-1.104	-2.078	-2.700	-2.715
88.0	-1.290	-1.104	-2.078	-2.700	-2.715
92.0	-1.290	-1.104	-2.078	-2.700	-2.715
96.0	-1.290	-1.104	-2.078	-2.700	-2.715
100.0	-1.290	-1.104	-2.078	-2.700	-2.715

MIN 240 POINT 6 ALPHA 11.00 PSI 0.60 HEIGHT 87.32

X/C. %	BP 2	BP 8	BP 12	BP 16	BP 22
0.0 (HUPPER)	-1.582	-2.188	-2.641	-3.291	-1.831
2.5	0.385	0.884	0.458	-1.257	-2.824
5.0	0.128	0.621	-0.077	-1.254	-1.866
10.0	-0.146	0.114	0.056	-1.776	-2.283
15.0	-0.704	-0.322	-0.443	-1.840	-1.463
20.0	-0.938	-0.878	-0.557	-2.326	-2.340
24.0	-1.475	-1.040	-1.922	-0.775	-2.075
28.0	-0.781	-1.000	-2.488	-2.851	-2.561
32.0	-0.917	-0.830	-0.538	-0.538	-0.186
36.0	-0.917	-0.830	-0.538	-0.538	-0.186
40.0	-0.917	-0.830	-0.538	-0.538	-0.186
44.0	-0.917	-0.830	-0.538	-0.538	-0.186
48.0	-0.917	-0.830	-0.538	-0.538	-0.186
52.0	-0.917	-0.830	-0.538	-0.538	-0.186
56.0	-0.917	-0.830	-0.538	-0.538	-0.186
60.0	-0.917	-0.830	-0.538	-0.538	-0.186
64.0	-0.917	-0.830	-0.538	-0.538	-0.186
68.0	-0.917	-0.830	-0.538	-0.538	-0.186
72.0	-0.917	-0.830	-0.538	-0.538	-0.186
76.0	-0.917	-0.830	-0.538	-0.538	-0.186
80.0	-0.917	-0.830	-0.538	-0.538	-0.186
84.0	-0.917	-0.830	-0.538	-0.538	-0.186
88.0	-0.917	-0.830	-0.538	-0.538	-0.186
92.0	-0.917	-0.830	-0.538	-0.538	-0.186
96.0	-0.917	-0.830	-0.538	-0.538	-0.186
100.0	-0.917	-0.830	-0.538	-0.538	-0.186

MIN 240 POINT 3 ALPHA 0.03 PSI 0.60 HEIGHT 88.29

X/C. %	BP 2	BP 8	BP 12	BP 16	BP 22
0.0 (HUPPER)	0.563	0.526	0.510	0.501	0.504
2.5	-0.114	-0.195	-0.242	-0.240	-0.178
5.0	-0.140	-0.263	-0.260	-0.236	-0.248
10.0	-0.180	-0.251	-0.277	-0.281	-0.271
15.0	-0.265	-0.260	-0.271	-0.237	-0.247
20.0	-0.273	-0.218	-0.245	-0.270	-0.247
24.0	-0.192	-0.214	-0.250	-0.270	-0.247
28.0	-0.059	-0.060	-0.269	-0.270	-0.247
32.0	0.091	-0.200	-0.453	-0.426	-0.370
36.0	0.095	-0.200	-0.453	-0.426	-0.370
40.0	0.095	-0.200	-0.453	-0.426	-0.370
44.0	0.095	-0.200	-0.453	-0.426	-0.370
48.0	0.095	-0.200	-0.453	-0.426	-0.370
52.0	0.095	-0.200	-0.453	-0.426	-0.370
56.0	0.095	-0.200	-0.453	-0.426	-0.370
60.0	0.095	-0.200	-0.453	-0.426	-0.370
64.0	0.095	-0.200	-0.453	-0.426	-0.370
68.0	0.095	-0.200	-0.453	-0.426	-0.370
72.0	0.095	-0.200	-0.453	-0.426	-0.370
76.0	0.095	-0.200	-0.453	-0.426	-0.370
80.0	0.095	-0.200	-0.453	-0.426	-0.370
84.0	0.095	-0.200	-0.453	-0.426	-0.370
88.0	0.095	-0.200	-0.453	-0.426	-0.370
92.0	0.095	-0.200	-0.453	-0.426	-0.370
96.0	0.095	-0.200	-0.453	-0.426	-0.370
100.0	0.095	-0.200	-0.453	-0.426	-0.370

MINE PRESSURE COEFFICIENTS

MIN 256 POINT 5 ALPHA 4.00 PSI 0.00 HEIGHT 87.50									
1/C. %									
0.0 (HOPPER)									
2.5									
5.0									
10.0									
15.0									
20.0									
25.0									
30.0									
35.0									
40.0									
45.0									
50.0									
55.0									
60.0									
65.0									
70.0									
75.0									
80.0									
85.0									
90.0									
95.0									
100.0									
2.5 (10000)									
5.0									
10.0									
15.0									
20.0									
25.0									
30.0									
35.0									
40.0									
45.0									
50.0									
55.0									
60.0									
65.0									
70.0									
75.0									
80.0									
85.0									
90.0									
95.0									
100.0									
105.0									
110.0									
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215.0									
220.0									
225.0									
230.0									
235.0									
240.0									
245.0									
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255.0									
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430.0									
435.0									
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835.0									
840.0									
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850.0									
855.0									
860.0									
865.0									
870.0									
875.0									
880.0									
885.0									
890.0									
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960.0									
965.0									
970.0									
975.0									
980.0									
985.0									
990.0									
995.0									
1000.0									

MINO PRESSURE COEFFICIENTS

MIN 257 POINT 2 ALPHA	-0.04 PSI	0.00 HEIGHT	87.40						
X/C, X	BP 2	BP 8	BP 12	BP 16	BP 22				
0.0 (HAPPEL)	0.583	0.440	0.373	0.313	0.260				
2.5	-0.312	-0.314	-0.411	-0.461	-0.447				
5.0	-0.340	-0.312	-0.400	-0.422	-0.442				
10.0	-0.392	-0.340	-0.387	-0.447	-0.494				
15.0	-0.304	-0.343	-0.372	-0.434	-0.464				
20.0	-0.344	-0.315	-0.350	-0.441	-0.383				
32.0	-0.290	-0.320	-0.377	-0.422	-0.360				
54.0	-0.259	-0.421	-0.502	-0.614	-0.560				
80.0	-0.042	-0.057	-0.120	-0.171	-0.114				
100.0	0.070	-1.065	-1.000	-1.784	-1.780				
120.0	0.001	-0.050	-0.522	-0.850	-0.933				
140.0	1.076	0.000	0.721	0.000	0.053				
160.0	1.076	0.000	0.721	0.000	0.053				
180.0	1.076	0.000	0.721	0.000	0.053				
200.0	1.076	0.000	0.721	0.000	0.053				
220.0	1.076	0.000	0.721	0.000	0.053				
240.0	1.076	0.000	0.721	0.000	0.053				
260.0	1.076	0.000	0.721	0.000	0.053				
280.0	1.076	0.000	0.721	0.000	0.053				
300.0	1.076	0.000	0.721	0.000	0.053				
320.0	1.076	0.000	0.721	0.000	0.053				
340.0	1.076	0.000	0.721	0.000	0.053				
360.0	1.076	0.000	0.721	0.000	0.053				
380.0	1.076	0.000	0.721	0.000	0.053				
400.0	1.076	0.000	0.721	0.000	0.053				
420.0	1.076	0.000	0.721	0.000	0.053				
440.0	1.076	0.000	0.721	0.000	0.053				
460.0	1.076	0.000	0.721	0.000	0.053				
480.0	1.076	0.000	0.721	0.000	0.053				
500.0	1.076	0.000	0.721	0.000	0.053				
520.0	1.076	0.000	0.721	0.000	0.053				
540.0	1.076	0.000	0.721	0.000	0.053				
560.0	1.076	0.000	0.721	0.000	0.053				
580.0	1.076	0.000	0.721	0.000	0.053				
600.0	1.076	0.000	0.721	0.000	0.053				
620.0	1.076	0.000	0.721	0.000	0.053				
640.0	1.076	0.000	0.721	0.000	0.053				
660.0	1.076	0.000	0.721	0.000	0.053				
680.0	1.076	0.000	0.721	0.000	0.053				
700.0	1.076	0.000	0.721	0.000	0.053				
720.0	1.076	0.000	0.721	0.000	0.053				
740.0	1.076	0.000	0.721	0.000	0.053				
760.0	1.076	0.000	0.721	0.000	0.053				
780.0	1.076	0.000	0.721	0.000	0.053				
800.0	1.076	0.000	0.721	0.000	0.053				
820.0	1.076	0.000	0.721	0.000	0.053				
840.0	1.076	0.000	0.721	0.000	0.053				
860.0	1.076	0.000	0.721	0.000	0.053				
880.0	1.076	0.000	0.721	0.000	0.053				
900.0	1.076	0.000	0.721	0.000	0.053				
920.0	1.076	0.000	0.721	0.000	0.053				
940.0	1.076	0.000	0.721	0.000	0.053				
960.0	1.076	0.000	0.721	0.000	0.053				
980.0	1.076	0.000	0.721	0.000	0.053				
1000.0	1.076	0.000	0.721	0.000	0.053				

MINO PRESSURE COEFFICIENTS

MIN 257 POINT 0 ALPHA	0.01 PSI	0.00 HEIGHT	87.43						
X/C, X	BP 2	BP 8	BP 12	BP 16	BP 22				
0.0 (HAPPEL)	-1.200	-2.421	-2.071	-2.000	-1.000				
2.5	-1.110	-1.400	-1.042	-0.900	-0.500				
5.0	-0.800	-0.800	-0.600	-0.500	-0.300				
10.0	-0.700	-0.800	-0.600	-0.500	-0.300				
15.0	-0.800	-0.800	-0.600	-0.500	-0.300				
20.0	-0.800	-0.800	-0.600	-0.500	-0.300				
32.0	-0.800	-0.800	-0.600	-0.500	-0.300				
54.0	-0.800	-0.800	-0.600	-0.500	-0.300				
80.0	-0.800	-0.800	-0.600	-0.500	-0.300				
100.0	-0.800	-0.800	-0.600	-0.500	-0.300				
120.0	-0.800	-0.800	-0.600	-0.500	-0.300				
140.0	-0.800	-0.800	-0.600	-0.500	-0.300				
160.0	-0.800	-0.800	-0.600	-0.500	-0.300				
180.0	-0.800	-0.800	-0.600	-0.500	-0.300				
200.0	-0.800	-0.800	-0.600	-0.500	-0.300				
220.0	-0.800	-0.800	-0.600	-0.500	-0.300				
240.0	-0.800	-0.800	-0.600	-0.500	-0.300				
260.0	-0.800	-0.800	-0.600	-0.500	-0.300				
280.0	-0.800	-0.800	-0.600	-0.500	-0.300				
300.0	-0.800	-0.800	-0.600	-0.500	-0.300				
320.0	-0.800	-0.800	-0.600	-0.500	-0.300				
340.0	-0.800	-0.800	-0.600	-0.500	-0.300				
360.0	-0.800	-0.800	-0.600	-0.500	-0.300				
380.0	-0.800	-0.800	-0.600	-0.500	-0.300				
400.0	-0.800	-0.800	-0.600	-0.500	-0.300				
420.0	-0.800	-0.800	-0.600	-0.500	-0.300				
440.0	-0.800	-0.800	-0.600	-0.500	-0.300				
460.0	-0.800	-0.800	-0.600	-0.500	-0.300				
480.0	-0.800	-0.800	-0.600	-0.500	-0.300				
500.0	-0.800	-0.800	-0.600	-0.500	-0.300				
520.0	-0.800	-0.800	-0.600	-0.500	-0.300				
540.0	-0.800	-0.800	-0.600	-0.500	-0.300				
560.0	-0.800	-0.800	-0.600	-0.500	-0.300				
580.0	-0.800	-0.800	-0.600	-0.500	-0.300				
600.0	-0.800	-0.800	-0.600	-0.500	-0.300				
620.0	-0.800	-0.800	-0.600	-0.500	-0.300				
640.0	-0.800	-0.800	-0.600	-0.500	-0.300				
660.0	-0.800	-0.800	-0.600	-0.500	-0.300				
680.0	-0.800	-0.800	-0.600	-0.500	-0.300				
700.0	-0.800	-0.800	-0.600	-0.500	-0.300				
720.0	-0.800	-0.800	-0.600	-0.500	-0.300				
740.0	-0.800	-0.800	-0.600	-0.500	-0.300				
760.0	-0.800	-0.800	-0.600	-0.500	-0.300				
780.0	-0.800	-0.800	-0.600	-0.500	-0.300				
800.0	-0.800	-0.800	-0.600	-0.500	-0.300				
820.0	-0.800	-0.800	-0.600	-0.500	-0.300				
840.0	-0.800	-0.800	-0.600	-0.500	-0.300				
860.0	-0.800	-0.800	-0.600	-0.500	-0.300				
880.0	-0.800	-0.800	-0.600	-0.500	-0.300				
900.0	-0.800	-0.800	-0.600	-0.500	-0.300				
920.0	-0.800	-0.800	-0.600	-0.500	-0.300				
940.0	-0.800	-0.800	-0.600	-0.500	-0.300				
960.0	-0.800	-0.800	-0.600	-0.500	-0.300				
980.0	-0.800	-0.800	-0.600	-0.500	-0.300				
1000.0	-0.800	-0.800	-0.600	-0.500	-0.300				

MIN 257 POINT 4 ALPHA

X/C, X	BP 2	BP 8	BP 12	BP 16	BP 22
0.0 (HAPPEL)	-0.000	-0.501	-0.002	-1.200	-1.503
2.5	-0.073	-0.040	-0.100	-0.147	-0.170
5.0	-0.060	-0.070	-0.057	-0.042	-0.024
10.0	-0.010	-0.009	-0.027	-0.006	-0.032
15.0	-0.007	-0.007	-0.026	-0.012	-0.001
20.0	-0.007	-0.007	-0.026	-0.012	-0.001
32.0	-0.007	-0.007	-0.026	-0.012	-0.001
54.0	-0.007	-0.007	-0.026	-0.012	-0.001
80.0	-0.007	-0.007	-0.026	-0.012	-0.001
100.0	-0.007	-0.007	-0.026	-0.012	-0.001
120.0	-0.007	-0.007	-0.026	-0.012	-0.001
140.0	-0.007	-0.007	-0.026	-0.012	-0.001
160.0	-0.007	-0.007	-0.026	-0.012	-0.001
180.0	-0.007	-0.007	-0.026	-0.012	-0.001
200.0	-0.007	-0.007	-0.026	-0.012	-0.001
220.0	-0.007	-0.007	-0.026	-0.012	-0.001
240.0	-0.007	-0.007	-0.026	-0.012	-0.001
260.0	-0.007	-0.007	-0.026	-0.012	-0.001
280.0	-0.007	-0.007	-0.026	-0.012	-0.001
300.0	-0.007	-0.007	-0.026	-0.012	-0.001
320.0	-0.007	-0.007	-0.026	-0.012	-0.001
340.0	-0.007	-0.007	-0.026	-0.012	-0.001
360.0	-0.007	-0.007	-0.026	-0.012	-0.001
380.0	-0.007	-0.007	-0.026	-0.012	-0.001
400.0	-0.007	-0.007	-0.026	-0.012	-0.001
420.0	-0.007	-0.007	-0.026	-0.012	-0.001
440.0	-0.007	-0.007	-0.026	-0.012	-0.001
460.0	-0.007	-0.007	-0.026	-0.012	-0.001
480.0	-0.007	-0.007	-0.026	-0.012	-0.001
500.0	-0.007	-0.007	-0.026	-0.012	-0.001
520.0	-0.007	-0.007	-0.026	-0.012	-0.001
540.0	-0.007	-0.007	-0.026	-0.012	-0.001
560.0	-0.007	-0.007	-0.026	-0.012	-0.001
580.0	-0.007	-0.007	-0.026	-0.012	-0.001
600.0	-0.007	-0.007	-0.026	-0.012	-0.001
620.0	-0.007	-0.007	-0.026	-0.012	-0.001
640.0	-0.007	-0.007	-0.026	-0.012	-0.001
660.0	-0.007	-0.007	-0.026	-0.012	-0.001
680.0	-0.007	-0.007	-0.026	-0.012	-0.001
700.0	-0.007	-0.007	-0.026	-0.012	-0.001
720.0	-0.007	-0.007	-0.026	-0.012	-0.001
740.0	-0.007	-0.007	-0.026	-0.012	-0.001
760.0	-0.007	-0.007	-0.026	-0.012	-0.001
780.0	-0.007	-0.007	-0.026	-0.012	-0.001
800.0	-0.007	-0.007	-0.026	-0.012	-0.001
820.0	-0.007	-0.007	-0.026	-0.012	-0.001
840.0	-0.007	-0.007	-0.026	-0.012	-0.001
860.0	-0.007	-0.007	-0.026	-0.012	-0.001
880.0	-0.007	-0.007	-0.026	-0.012	-0.001
900.0	-0.007	-0.007	-0.026	-0.012	-0.001
920.0	-0.007	-0.007	-0.026	-0.012	-0.001
940.0	-0.007	-0.007	-0.026	-0.012	-0.001
960.0	-0.007	-0.007	-0.026	-0.012	-0.001
980.0	-0.007	-0.007	-0.026	-0.012	-0.001
1000.0	-0.007	-0.007	-0.026	-0.012	-0.001

MINE PRESSURE COEFFICIENTS

MIN 257 POINT 13 ALPHA 22.03 PSI 0.00 HEIGHT 88.23

L/C	BP 2	BP 6	BP 12	BP 16	BP 22
0.0	-11.300	-8.153	-2.444	-2.783	-1.872
2.5	-2.880	-8.371	-2.588	-2.884	-1.854
5.0	-2.143	-8.536	-2.690	-2.870	-1.951
10.0	-1.758	-8.981	-2.838	-2.838	-2.022
15.0	-1.342	-9.131	-2.976	-2.870	-2.093
20.0	-1.097	-9.241	-3.077	-2.953	-2.119
25.0	-0.887	-9.313	-3.155	-3.050	-2.195
30.0	-0.700	-9.368	-3.207	-3.155	-2.261
35.0	-0.540	-9.400	-3.240	-3.240	-2.310
40.0	-0.400	-9.410	-3.260	-3.300	-2.350
45.0	-0.275	-9.400	-3.260	-3.340	-2.380
50.0	-0.160	-9.370	-3.240	-3.360	-2.400
55.0	-0.050	-9.320	-3.200	-3.360	-2.410
60.0	0.050	-9.250	-3.140	-3.340	-2.410
65.0	0.150	-9.160	-3.060	-3.300	-2.400
70.0	0.250	-9.050	-2.960	-3.240	-2.380
75.0	0.350	-8.920	-2.840	-3.160	-2.350
80.0	0.450	-8.770	-2.700	-3.060	-2.310
85.0	0.550	-8.600	-2.540	-2.940	-2.260
90.0	0.650	-8.410	-2.360	-2.800	-2.200
95.0	0.750	-8.200	-2.160	-2.640	-2.130
100.0	0.850	-7.970	-1.940	-2.460	-2.050
105.0	0.950	-7.720	-1.700	-2.260	-1.960
110.0	1.050	-7.450	-1.440	-2.040	-1.860
115.0	1.150	-7.160	-1.160	-1.800	-1.750
120.0	1.250	-6.850	-0.860	-1.540	-1.630
125.0	1.350	-6.520	-0.540	-1.260	-1.500
130.0	1.450	-6.170	-0.200	-0.960	-1.360
135.0	1.550	-5.800	0.150	-0.640	-1.210
140.0	1.650	-5.410	0.500	-0.300	-1.050
145.0	1.750	-5.000	0.840	0.050	-0.880
150.0	1.850	-4.570	1.170	0.400	-0.700
155.0	1.950	-4.120	1.490	0.740	-0.510
160.0	2.050	-3.650	1.800	1.070	-0.310
165.0	2.150	-3.160	2.100	1.390	-0.110
170.0	2.250	-2.650	2.390	1.700	0.090
175.0	2.350	-2.120	2.670	2.000	0.290
180.0	2.450	-1.570	2.940	2.290	0.490
185.0	2.550	-1.000	3.200	2.570	0.690
190.0	2.650	-0.410	3.450	2.840	0.890
195.0	2.750	0.190	3.690	3.100	1.090
200.0	2.850	0.780	3.920	3.350	1.290
205.0	2.950	1.350	4.140	3.590	1.490
210.0	3.050	1.900	4.350	3.820	1.690
215.0	3.150	2.430	4.550	4.040	1.890
220.0	3.250	2.940	4.740	4.250	2.090
225.0	3.350	3.430	4.920	4.450	2.290
230.0	3.450	3.900	5.090	4.640	2.490
235.0	3.550	4.350	5.250	4.820	2.690
240.0	3.650	4.780	5.400	5.000	2.890
245.0	3.750	5.190	5.540	5.170	3.090
250.0	3.850	5.580	5.670	5.330	3.290
255.0	3.950	5.950	5.790	5.480	3.490
260.0	4.050	6.300	5.900	5.620	3.690
265.0	4.150	6.630	6.000	5.750	3.890
270.0	4.250	6.940	6.090	5.870	4.090
275.0	4.350	7.230	6.170	5.980	4.290
280.0	4.450	7.500	6.240	6.080	4.490
285.0	4.550	7.750	6.300	6.170	4.690
290.0	4.650	8.000	6.350	6.250	4.890
295.0	4.750	8.230	6.390	6.320	5.090
300.0	4.850	8.450	6.420	6.380	5.290
305.0	4.950	8.650	6.440	6.430	5.490
310.0	5.050	8.840	6.450	6.470	5.690
315.0	5.150	9.010	6.450	6.500	5.890
320.0	5.250	9.160	6.440	6.520	6.090
325.0	5.350	9.290	6.420	6.530	6.290
330.0	5.450	9.400	6.390	6.530	6.490
335.0	5.550	9.500	6.350	6.520	6.690
340.0	5.650	9.580	6.300	6.500	6.890
345.0	5.750	9.650	6.240	6.470	7.090
350.0	5.850	9.700	6.170	6.430	7.290
355.0	5.950	9.740	6.090	6.380	7.490
360.0	6.050	9.770	6.000	6.320	7.690
365.0	6.150	9.790	5.900	6.250	7.890
370.0	6.250	9.800	5.790	6.170	8.090
375.0	6.350	9.800	5.670	6.080	8.290
380.0	6.450	9.790	5.540	6.000	8.490
385.0	6.550	9.770	5.400	5.900	8.690
390.0	6.650	9.740	5.250	5.800	8.890
395.0	6.750	9.700	5.090	5.690	9.090
400.0	6.850	9.650	4.920	5.570	9.290
405.0	6.950	9.590	4.740	5.450	9.490
410.0	7.050	9.520	4.550	5.320	9.690
415.0	7.150	9.440	4.350	5.190	9.890
420.0	7.250	9.350	4.140	5.050	10.090
425.0	7.350	9.250	3.920	4.900	10.290
430.0	7.450	9.140	3.690	4.740	10.490
435.0	7.550	9.020	3.450	4.570	10.690
440.0	7.650	8.890	3.200	4.400	10.890
445.0	7.750	8.750	2.940	4.220	11.090
450.0	7.850	8.600	2.670	4.040	11.290
455.0	7.950	8.440	2.400	3.850	11.490
460.0	8.050	8.270	2.120	3.660	11.690
465.0	8.150	8.090	1.840	3.460	11.890
470.0	8.250	7.900	1.550	3.250	12.090
475.0	8.350	7.700	1.260	3.040	12.290
480.0	8.450	7.490	0.960	2.830	12.490
485.0	8.550	7.270	0.650	2.610	12.690
490.0	8.650	7.040	0.340	2.390	12.890
495.0	8.750	6.800	0.030	2.160	13.090
500.0	8.850	6.550	-0.280	1.930	13.290
505.0	8.950	6.290	-0.590	1.690	13.490
510.0	9.050	6.020	-0.890	1.450	13.690
515.0	9.150	5.740	-1.190	1.210	13.890
520.0	9.250	5.450	-1.480	0.960	14.090
525.0	9.350	5.150	-1.770	0.710	14.290
530.0	9.450	4.840	-2.050	0.460	14.490
535.0	9.550	4.520	-2.330	0.210	14.690
540.0	9.650	4.190	-2.600	-0.040	14.890
545.0	9.750	3.850	-2.860	-0.290	15.090
550.0	9.850	3.500	-3.110	-0.540	15.290
555.0	9.950	3.140	-3.350	-0.790	15.490
560.0	10.050	2.770	-3.580	-1.040	15.690
565.0	10.150	2.390	-3.800	-1.290	15.890
570.0	10.250	2.000	-4.010	-1.540	16.090
575.0	10.350	1.600	-4.210	-1.790	16.290
580.0	10.450	1.190	-4.400	-2.040	16.490
585.0	10.550	0.770	-4.580	-2.290	16.690
590.0	10.650	0.350	-4.750	-2.540	16.890
595.0	10.750	-0.070	-4.910	-2.790	17.090
600.0	10.850	-0.480	-5.060	-3.040	17.290
605.0	10.950	-0.880	-5.200	-3.290	17.490
610.0	11.050	-1.270	-5.330	-3.540	17.690
615.0	11.150	-1.650	-5.450	-3.790	17.890
620.0	11.250	-2.020	-5.560	-4.040	18.090
625.0	11.350	-2.380	-5.660	-4.290	18.290
630.0	11.450	-2.730	-5.750	-4.540	18.490
635.0	11.550	-3.070	-5.830	-4.790	18.690
640.0	11.650	-3.400	-5.900	-5.040	18.890
645.0	11.750	-3.720	-5.960	-5.290	19.090
650.0	11.850	-4.030	-6.010	-5.540	19.290
655.0	11.950	-4.330	-6.050	-5.790	19.490
660.0	12.050	-4.620	-6.080	-6.040	19.690
665.0	12.150	-4.900	-6.100	-6.290	19.890
670.0	12.250	-5.170	-6.110	-6.540	20.090
675.0	12.350	-5.430	-6.110	-6.790	20.290
680.0	12.450	-5.680	-6.100	-7.040	20.490
685.0	12.550	-5.920	-6.080	-7.290	20.690
690.0	12.650	-6.150	-6.050	-7.540	20.890
695.0	12.750	-6.370	-6.000	-7.790	21.090
700.0	12.850	-6.580	-5.940	-8.040	21.290
705.0	12.950	-6.780	-5.870	-8.290	21.490
710.0	13.050	-6.970	-5.790	-8.540	21.690
715.0	13.150	-7.150	-5.700	-8.790	21.890
720.0	13.250	-7.320	-5.600	-9.040	22.090
725.0	13.350	-7.480	-5.490	-9.290	22.290
730.0	13.450	-7.630	-5.370	-9.540	22.490
735.0	13.550	-7.770	-5.240	-9.790	22.690
740.0	13.650	-7.900	-5.100	-10.040	22.890
745.0	13.750	-8.020	-4.950	-10.290	23.090
750.0	13.850	-8.130	-4.790	-10.540	23.290
755.0	13.950	-8.230	-4.620	-10.790	23.490
760.0	14.050	-8.320	-4.440	-11.040	23.690
765.0	14.150	-8.400	-4.250	-11.290	23.890
770.0	14.250	-8.470	-4.060	-11.540	24.090
775.0	14.350	-8.530	-3.860	-11.790	24.290
780.0	14.450	-8.580	-3.650	-12.040	24.490
785.0	14.550	-8.620	-3.430	-12.290	24.690
790.0	14.650	-8.650	-3.200	-12.540	24.890
795.0	14.750	-8.670	-2.970	-12.790	25.090
800.0	14.850	-8.680	-2.730	-13.040	25.290
805.0	14.950	-8.680	-2.490	-13.290	25.490
810.0	15.050	-8.670	-2.240	-13.540	25.690
815.0	15.150	-8.650	-2.000	-13.790	25.890
820.0	15.250	-8.620	-1.750	-14.040	26.090
825.0	15.350	-8.580	-1.500	-14.290	26.290
830.0	15.450	-8.530	-1.240	-14.540	26.490
835.0	15.550	-8.470	-1.000	-14.790	26.690
840.0	15.650	-8.400	-0.740	-15.040	26.890
845.0	15.750	-8.320	-0.480	-15.290	27.090
850.0	15.850	-8.230	-0.210	-15.540	27.290
855.0	15.950	-8.130	0.050	-15.790	27.490
860.0	16.050	-8.020	0.300	-16.040	27.690
865.0	16.150	-7.900	0.540	-16.290	27.890
870.0	16.250	-7.770	0.780	-16.540	28.090
875.0	16.350	-7.630	1.020	-16.790	28.290
880.0	16.450	-7.480	1.260	-17.040	28.490
885.0	16.550	-7.320	1.500	-17.290	28.690
890.0	16.650	-7.150	1.740	-17.540	28.890
895.0	16.750	-6.970	1.980	-17.790	29.090
900.0	16.850	-6.780	2.220	-18.040	29

MINO PRESSURE COEFFICIENTS

MIN 250 POINT 0 ALPHA 12.00 PSI 0.00 HEIGHT 00.23	BP 2	BP 6	BP 12	BP 16	BP 22
1/C %					
0.0 SUPPER	-3.200	-4.020	-2.560	-2.797	-1.063
2.5	-1.688	-4.304	-2.880	-3.543	-1.748
5.0	-1.498	-3.874	-2.880	-3.543	-1.712
10.0	-1.261	-3.688	-2.817	-3.377	-1.759
15.0	-1.037	-3.120	-2.577	-2.577	-1.645
20.0	-0.888	-2.120	-1.564	-2.369	-1.064
24.0	-0.751	-0.777	-1.023	-1.367	-1.364
28.0	-0.622	-0.700	-0.804	-0.688	-1.071
32.0	-0.490	-0.511	-0.612	-0.411	-0.870
36.0	-0.358	-0.370	-0.412	-0.225	-0.684
40.0	-0.225	-0.225	-0.225	-0.225	-0.500
44.0	-0.093	-0.093	-0.093	-0.093	-0.314
48.0	0.040	0.040	0.040	0.040	0.129
52.0	0.172	0.172	0.172	0.172	0.297
56.0	0.304	0.304	0.304	0.304	0.467
60.0	0.436	0.436	0.436	0.436	0.637
64.0	0.568	0.568	0.568	0.568	0.807
68.0	0.700	0.700	0.700	0.700	0.977
72.0	0.832	0.832	0.832	0.832	1.147
76.0	0.964	0.964	0.964	0.964	1.317
80.0	1.096	1.096	1.096	1.096	1.487
84.0	1.228	1.228	1.228	1.228	1.657
88.0	1.360	1.360	1.360	1.360	1.827
92.0	1.492	1.492	1.492	1.492	1.997
96.0	1.624	1.624	1.624	1.624	2.167
100.0	1.756	1.756	1.756	1.756	2.337
104.0	1.888	1.888	1.888	1.888	2.507
108.0	2.020	2.020	2.020	2.020	2.677
112.0	2.152	2.152	2.152	2.152	2.847
116.0	2.284	2.284	2.284	2.284	3.017
120.0	2.416	2.416	2.416	2.416	3.187
124.0	2.548	2.548	2.548	2.548	3.357
128.0	2.680	2.680	2.680	2.680	3.527
132.0	2.812	2.812	2.812	2.812	3.697
136.0	2.944	2.944	2.944	2.944	3.867
140.0	3.076	3.076	3.076	3.076	4.037
144.0	3.208	3.208	3.208	3.208	4.207
148.0	3.340	3.340	3.340	3.340	4.377
152.0	3.472	3.472	3.472	3.472	4.547
156.0	3.604	3.604	3.604	3.604	4.717
160.0	3.736	3.736	3.736	3.736	4.887
164.0	3.868	3.868	3.868	3.868	5.057
168.0	4.000	4.000	4.000	4.000	5.227
172.0	4.132	4.132	4.132	4.132	5.397
176.0	4.264	4.264	4.264	4.264	5.567
180.0	4.396	4.396	4.396	4.396	5.737
184.0	4.528	4.528	4.528	4.528	5.907
188.0	4.660	4.660	4.660	4.660	6.077
192.0	4.792	4.792	4.792	4.792	6.247
196.0	4.924	4.924	4.924	4.924	6.417
200.0	5.056	5.056	5.056	5.056	6.587

MINO PRESSURE COEFFICIENTS

MIN 250 POINT 2 ALPHA -0.01 PSI 0.00 HEIGHT 07.00	BP 2	BP 6	BP 12	BP 16	BP 22
1/C %					
0.0 SUPPER	0.473	0.211	0.000	-0.140	-0.087
2.5	-0.000	-0.000	-0.000	-0.140	-0.087
5.0	-0.000	-0.000	-0.000	-0.140	-0.087
10.0	-0.000	-0.000	-0.000	-0.140	-0.087
15.0	-0.000	-0.000	-0.000	-0.140	-0.087
20.0	-0.000	-0.000	-0.000	-0.140	-0.087
24.0	-0.000	-0.000	-0.000	-0.140	-0.087
28.0	-0.000	-0.000	-0.000	-0.140	-0.087
32.0	-0.000	-0.000	-0.000	-0.140	-0.087
36.0	-0.000	-0.000	-0.000	-0.140	-0.087
40.0	-0.000	-0.000	-0.000	-0.140	-0.087
44.0	-0.000	-0.000	-0.000	-0.140	-0.087
48.0	-0.000	-0.000	-0.000	-0.140	-0.087
52.0	-0.000	-0.000	-0.000	-0.140	-0.087
56.0	-0.000	-0.000	-0.000	-0.140	-0.087
60.0	-0.000	-0.000	-0.000	-0.140	-0.087
64.0	-0.000	-0.000	-0.000	-0.140	-0.087
68.0	-0.000	-0.000	-0.000	-0.140	-0.087
72.0	-0.000	-0.000	-0.000	-0.140	-0.087
76.0	-0.000	-0.000	-0.000	-0.140	-0.087
80.0	-0.000	-0.000	-0.000	-0.140	-0.087
84.0	-0.000	-0.000	-0.000	-0.140	-0.087
88.0	-0.000	-0.000	-0.000	-0.140	-0.087
92.0	-0.000	-0.000	-0.000	-0.140	-0.087
96.0	-0.000	-0.000	-0.000	-0.140	-0.087
100.0	-0.000	-0.000	-0.000	-0.140	-0.087
104.0	-0.000	-0.000	-0.000	-0.140	-0.087
108.0	-0.000	-0.000	-0.000	-0.140	-0.087
112.0	-0.000	-0.000	-0.000	-0.140	-0.087
116.0	-0.000	-0.000	-0.000	-0.140	-0.087
120.0	-0.000	-0.000	-0.000	-0.140	-0.087
124.0	-0.000	-0.000	-0.000	-0.140	-0.087
128.0	-0.000	-0.000	-0.000	-0.140	-0.087
132.0	-0.000	-0.000	-0.000	-0.140	-0.087
136.0	-0.000	-0.000	-0.000	-0.140	-0.087
140.0	-0.000	-0.000	-0.000	-0.140	-0.087
144.0	-0.000	-0.000	-0.000	-0.140	-0.087
148.0	-0.000	-0.000	-0.000	-0.140	-0.087
152.0	-0.000	-0.000	-0.000	-0.140	-0.087
156.0	-0.000	-0.000	-0.000	-0.140	-0.087
160.0	-0.000	-0.000	-0.000	-0.140	-0.087
164.0	-0.000	-0.000	-0.000	-0.140	-0.087
168.0	-0.000	-0.000	-0.000	-0.140	-0.087
172.0	-0.000	-0.000	-0.000	-0.140	-0.087
176.0	-0.000	-0.000	-0.000	-0.140	-0.087
180.0	-0.000	-0.000	-0.000	-0.140	-0.087
184.0	-0.000	-0.000	-0.000	-0.140	-0.087
188.0	-0.000	-0.000	-0.000	-0.140	-0.087
192.0	-0.000	-0.000	-0.000	-0.140	-0.087
196.0	-0.000	-0.000	-0.000	-0.140	-0.087
200.0	-0.000	-0.000	-0.000	-0.140	-0.087

MIN 250 POINT 14 ALPHA 22.07 PSI 0.00 HEIGHT 00.01

1/C %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 SUPPER	-11.830	-7.031	-4.010	-3.262	-2.322
2.5	-4.710	-7.777	-4.242	-3.262	-2.322
5.0	-3.047	-6.466	-4.427	-3.262	-2.322
10.0	-2.280	-4.244	-4.610	-3.262	-2.322
15.0	-1.513	-1.787	-3.262	-3.262	-2.322
20.0	-0.746	-1.020	-2.513	-3.262	-2.322
24.0	-0.514	-0.813	-2.513	-3.262	-2.322
28.0	-0.282	-0.581	-2.513	-3.262	-2.322
32.0	-0.050	-0.349	-2.513	-3.262	-2.322
36.0	0.182	-0.117	-2.513	-3.262	-2.322
40.0	0.414	0.115	-2.513	-3.262	-2.322
44.0	0.646	0.347	-2.513	-3.262	-2.322
48.0	0.878	0.579	-2.513	-3.262	-2.322
52.0	1.110	0.811	-2.513	-3.262	-2.322
56.0	1.342	1.043	-2.513	-3.262	-2.322
60.0	1.574	1.275	-2.513	-3.262	-2.322
64.0	1.806	1.507	-2.513	-3.262	-2.322
68.0	2.038	1.739	-2.513	-3.262	-2.322
72.0	2.270	1.971	-2.513	-3.262	-2.322
76.0	2.502	2.203	-2.513	-3.262	-2.322
80.0	2.734	2.435	-2.513	-3.262	-2.322
84.0	2.966	2.667	-2.513	-3.262	-2.322
88.0	3.198	2.899	-2.513	-3.262	-2.322
92.0	3.430	3.131	-2.513	-3.262	-2.322
96.0	3.662	3.363	-2.513	-3.262	-2.322
100.0	3.894	3.595	-2.513	-3.262	-2.322
104.0	4.126	3.827	-2.513	-3.262	-2.322
108.0	4.358	4.059	-2.513	-3.262	-2.322
112.0	4.590	4.291	-2.513	-3.262	-2.322
116.0	4.822	4.523	-2.513	-3.262	-2.322
120.0	5.054	4.755	-2.513	-3.262	-2.322
124.0	5.286	4.987	-2.513	-3.262	-2.322
128.0	5.518	5.219	-2.513	-3.262	-2.322
132.0	5.750	5.451	-2.513	-3.262	-2.322
136.0	5.982	5.683	-2.513	-3.262	-2.322
140.0	6.214	5.915	-2.513	-3.262	-2.322
144.0	6.446	6.147	-2.513	-3.262	-2.322
148.0	6.678	6.379	-2.513	-3.262	-2.322
152.0	6.910	6.611	-2.513	-3.262	-2.322
156.0	7.142	6.843	-2.513	-3.262	-2.322
160.0	7.374	7.075	-2.513	-3.262	-2.322
164.0	7.606	7.307	-2.513	-3.262	-2.322
168.0	7.838	7.539	-2.513	-3.262	-2.322
172.0	8.070	7.771	-2.513	-3.262	-2.322
176.0	8.302	8.003	-2.513	-3.262	-2.322
180.0	8.534	8.235	-2.513	-3.262	-2.322
184.0	8.766	8.467	-2.513	-3.262	-2.322
188.0	8.998	8.699	-2.513	-3.262	-2.322
192.0	9.230	8.931	-2.513	-3.262	-2.322
196.0	9.462	9.163	-2.513	-3.262	-2.322
200.0	9.694	9.395	-2.513	-3.262	-2.322

MIN 250 POINT 4 ALPHA 4.02 PSI 0.00 HEIGHT 00.20

1/C %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 SUPPER	-0.192	-0.027	-0.000	-0.000	-0.000
2.5	-0.000	-0.000	-0.000	-0.000	-0.000
5.0	-0.000	-0.000	-0.000	-0.000	-0.000
10.0	-0.000	-0.000	-0.000	-0.000	-0.000
15.0	-0.000	-0.000	-0.000	-0.000	-0.000
20.0	-0.000	-0.000	-0.000	-0.000	-0.000
24.0	-0.000	-0.000	-0.000	-0.000	-0.000
28.0	-0.000	-0.000	-0.000	-0.000	-0.000
32.0	-0.000	-0.000	-0.000	-0.000	-0.000
36.0	-0.000	-0.000	-0.000	-0.000	-0.000
40.0	-0.000	-0.000	-0.000	-0.000	-0.000
44.0	-0.000	-0.000	-0.000	-0.000	-0.000
48.0	-0.000	-0.000	-0.000	-0.000	-0.000
52.0	-0.000	-0.000	-0.000	-0.000	-0.000
56.0	-0.000	-0.000	-0.000	-0.000	-0.000
60.0	-0.000	-0.000	-0.000	-0.000	-0.000
64.0	-0.000	-0.000	-0.000	-0.000	-0.000
68.0	-0.000	-0.000	-0.000	-0.000	-0.000
72.0	-0.000	-0.000	-0.000	-0.000	-0.000
76.0	-0.000	-0.000	-0.000	-0.000	-0.000
80.0	-0.000	-0.000	-0.000	-0.000	-0.000
84.0	-0.000	-0.000	-0.000	-0.000	-0.000
88.0	-0.000	-0.000	-0.000	-0.000	-0.000
92.0	-0.000	-0.000	-0.000	-0.000	-0.000
96.0	-0.000	-0.000	-0.000	-0.000	-0

WIND PRESSURE COEFFICIENTS

WIND SPEED POINT 6 ALPHA 8.05 PSI	0.00 HEIGHT 84.04	0.00 HEIGHT 87.76	0.00 HEIGHT 91.48	0.00 HEIGHT 95.20
W/C X	W/C X	W/C X	W/C X	W/C X
0.0	-1.179	-2.040	-3.937	-5.834
2.5	-1.373	-1.740	-3.310	-5.160
5.0	-1.577	-1.450	-2.820	-4.580
7.5	-1.781	-1.157	-2.330	-4.000
10.0	-1.985	-0.864	-1.840	-3.420
12.5	-2.189	-0.571	-1.350	-2.840
15.0	-2.393	-0.278	-0.860	-2.260
17.5	-2.597	0.015	-0.370	-1.680
20.0	-2.801	0.308	0.120	-1.100
22.5	-3.005	0.601	0.610	-0.520
25.0	-3.209	0.894	1.100	0.060
27.5	-3.413	1.187	1.590	0.640
30.0	-3.617	1.480	2.080	1.220
32.5	-3.821	1.773	2.570	1.800
35.0	-4.025	2.066	3.060	2.380
37.5	-4.229	2.359	3.550	2.960
40.0	-4.433	2.652	4.040	3.540
42.5	-4.637	2.945	4.530	4.120
45.0	-4.841	3.238	5.020	4.700
47.5	-5.045	3.531	5.510	5.280
50.0	-5.249	3.824	6.000	5.860
52.5	-5.453	4.117	6.490	6.440
55.0	-5.657	4.410	6.980	7.020
57.5	-5.861	4.703	7.470	7.600
60.0	-6.065	5.000	7.960	8.180
62.5	-6.269	5.293	8.450	8.760
65.0	-6.473	5.586	8.940	9.340
67.5	-6.677	5.879	9.430	9.920
70.0	-6.881	6.172	9.920	10.500
72.5	-7.085	6.465	10.410	11.080
75.0	-7.289	6.758	10.900	11.660
77.5	-7.493	7.051	11.390	12.240
80.0	-7.697	7.344	11.880	12.820
82.5	-7.901	7.637	12.370	13.400
85.0	-8.105	7.930	12.860	13.980
87.5	-8.309	8.223	13.350	14.560
90.0	-8.513	8.516	13.840	15.140
92.5	-8.717	8.809	14.330	15.720
95.0	-8.921	9.102	14.820	16.300
97.5	-9.125	9.395	15.310	16.880
100.0	-9.329	9.688	15.800	17.460

WIND PRESSURE COEFFICIENTS

WIND SPEED POINT 13 ALPHA 22.07 PSI	0.00 HEIGHT 84.04	0.00 HEIGHT 87.76	0.00 HEIGHT 91.48	0.00 HEIGHT 95.20
W/C X	W/C X	W/C X	W/C X	W/C X
0.0	-12.010	-7.000	-4.511	-3.070
2.5	-10.000	-6.000	-4.000	-2.800
5.0	-8.000	-5.000	-3.500	-2.530
7.5	-6.000	-4.000	-3.000	-2.260
10.0	-4.000	-3.000	-2.500	-2.000
12.5	-2.000	-2.000	-2.000	-1.730
15.0	-1.000	-1.000	-1.500	-1.460
17.5	0.000	0.000	-1.000	-1.200
20.0	1.000	1.000	-0.500	-0.930
22.5	2.000	2.000	0.000	-0.660
25.0	3.000	3.000	0.500	-0.400
27.5	4.000	4.000	1.000	-0.130
30.0	5.000	5.000	1.500	0.140
32.5	6.000	6.000	2.000	0.410
35.0	7.000	7.000	2.500	0.680
37.5	8.000	8.000	3.000	0.950
40.0	9.000	9.000	3.500	1.220
42.5	10.000	10.000	4.000	1.490
45.0	11.000	11.000	4.500	1.760
47.5	12.000	12.000	5.000	2.030
50.0	13.000	13.000	5.500	2.300
52.5	14.000	14.000	6.000	2.570
55.0	15.000	15.000	6.500	2.840
57.5	16.000	16.000	7.000	3.110
60.0	17.000	17.000	7.500	3.380
62.5	18.000	18.000	8.000	3.650
65.0	19.000	19.000	8.500	3.920
67.5	20.000	20.000	9.000	4.190
70.0	21.000	21.000	9.500	4.460
72.5	22.000	22.000	10.000	4.730
75.0	23.000	23.000	10.500	5.000
77.5	24.000	24.000	11.000	5.270
80.0	25.000	25.000	11.500	5.540
82.5	26.000	26.000	12.000	5.810
85.0	27.000	27.000	12.500	6.080
87.5	28.000	28.000	13.000	6.350
90.0	29.000	29.000	13.500	6.620
92.5	30.000	30.000	14.000	6.890
95.0	31.000	31.000	14.500	7.160
97.5	32.000	32.000	15.000	7.430
100.0	33.000	33.000	15.500	7.700

WIND PRESSURE COEFFICIENTS

WIND SPEED POINT 6 ALPHA 12.03 PSI	0.00 HEIGHT 84.04	0.00 HEIGHT 87.76	0.00 HEIGHT 91.48	0.00 HEIGHT 95.20
W/C X	W/C X	W/C X	W/C X	W/C X
0.0	-3.700	-5.041	-6.382	-7.723
2.5	-3.175	-4.000	-5.160	-6.440
5.0	-2.650	-3.000	-4.000	-5.160
7.5	-2.125	-2.000	-2.840	-3.880
10.0	-1.600	-1.000	-1.680	-2.600
12.5	-1.075	-0.000	-0.520	-1.320
15.0	-0.550	0.938	0.640	-0.040
17.5	0.000	1.875	1.560	1.240
20.0	0.525	2.813	2.480	2.460
22.5	1.050	3.750	3.400	3.680
25.0	1.575	4.688	4.320	4.900
27.5	2.100	5.625	5.240	6.120
30.0	2.625	6.563	6.160	7.340
32.5	3.150	7.500	7.080	8.560
35.0	3.675	8.438	8.000	9.780
37.5	4.200	9.375	8.920	11.000
40.0	4.725	10.313	9.840	12.220
42.5	5.250	11.250	10.760	13.440
45.0	5.775	12.188	11.680	14.660
47.5	6.300	13.125	12.600	15.880
50.0	6.825	14.063	13.520	17.100
52.5	7.350	15.000	14.440	18.320
55.0	7.875	15.938	15.360	19.540
57.5	8.400	16.875	16.280	20.760
60.0	8.925	17.813	17.200	21.980
62.5	9.450	18.750	18.120	23.200
65.0	9.975	19.688	19.040	24.420
67.5	10.500	20.625	19.960	25.640
70.0	11.025	21.563	20.880	26.860
72.5	11.550	22.500	21.800	28.080
75.0	12.075	23.438	22.720	29.300
77.5	12.600	24.375	23.640	30.520
80.0	13.125	25.313	24.560	31.740
82.5	13.650	26.250	25.480	32.960
85.0	14.175	27.188	26.400	34.180
87.5	14.700	28.125	27.320	35.400
90.0	15.225	29.063	28.240	36.620
92.5	15.750	30.000	29.160	37.840
95.0	16.275	30.938	30.080	39.060
97.5	16.800	31.875	31.000	40.280
100.0	17.325	32.813	31.920	41.500

WIND PRESSURE COEFFICIENTS

WIND SPEED POINT 3 ALPHA -0.02 PSI	0.00 HEIGHT 84.04	0.00 HEIGHT 87.76	0.00 HEIGHT 91.48	0.00 HEIGHT 95.20
W/C X	W/C X	W/C X	W/C X	W/C X
0.0	0.300	0.310	0.420	0.477
2.5	0.290	0.300	0.410	0.467
5.0	0.280	0.290	0.400	0.457
7.5	0.270	0.280	0.390	0.447
10.0	0.260	0.270	0.380	0.437
12.5	0.250	0.260	0.370	0.427
15.0	0.240	0.250	0.360	0.417
17.5	0.230	0.240	0.350	0.407
20.0	0.220	0.230	0.340	0.397
22.5	0.210	0.220	0.330	0.387
25.0	0.200	0.210	0.320	0.377
27.5	0.190	0.200	0.310	0.367
30.0	0.180	0.190	0.300	0.357
32.5	0.170	0.180	0.290	0.347
35.0	0.160	0.170	0.280	0.337
37.5	0.150	0.160	0.270	0.327
40.0	0.140	0.150	0.260	0.317
42.5	0.130	0.140	0.250	0.307
45.0	0.120	0.130	0.240	0.297
47.5	0.110	0.120	0.230	0.287
50.0	0.100	0.110	0.220	0.277
52.5	0.090	0.100	0.210	0.267
55.0	0.080	0.090	0.200	0.257
57.5	0.070	0.080	0.190	0.247
60.0	0.060	0.070	0.180	0.237
62.5	0.050	0.060	0.170	0.227
65.0	0.040	0.050	0.160	0.217
67.5	0.030	0.040	0.150	0.207
70.0	0.020	0.030	0.140	0.197
72.5	0.010	0.020	0.130	0.187
75.0	0.000	0.010	0.120	0.177
77.5	-0.010	0.000	0.110	0.167
80.0	-0.020	-0.010	0.100	0.157
82.5	-0.030	-0.020	0.090	0.147
85.0	-0.040	-0.030	0.080	0.137
87.5	-0.050	-0.040	0.070	0.127
90.0	-0.060	-0.050	0.060	0.117
92.5	-0.070	-0.060	0.050	0.107
95.0	-0.080	-0.070	0.040	0.097
97.5	-0.090	-0.080	0.030	0.087
100.0	-0.100	-0.090	0.020	0.077

MINO PRESSURE COEFFICIENTS

MIN 243	POINT 5	ALPHA	12.07 PSI	0.00 HEIGHT	87.00
L/C	%	BP 2	BP 6	BP 12	BP 22
0.0	0.00000	0.044	-0.026	-2.048	-2.054
2.5	0.00000	-0.424	-0.796	-1.502	-2.302
5.0	0.00000	-0.422	-0.802	-1.129	-2.064
10.0	0.00000	-0.457	-0.805	-0.879	-1.776
15.0	0.00000	-0.460	-0.810	-0.722	-1.583
20.0	0.00000	-0.460	-0.810	-0.579	-1.383
25.0	0.00000	-0.427	-0.811	-0.460	-1.187
30.0	0.00000	-0.427	-0.811	-0.363	-0.979
35.0	0.00000	-0.427	-0.811	-0.263	-0.769
40.0	0.00000	-0.427	-0.811	-0.160	-0.569
45.0	0.00000	-0.427	-0.811	-0.057	-0.369
50.0	0.00000	-0.427	-0.811	-0.057	-0.169
55.0	0.00000	-0.427	-0.811	-0.057	-0.069
60.0	0.00000	-0.427	-0.811	-0.057	-0.069
65.0	0.00000	-0.427	-0.811	-0.057	-0.069
70.0	0.00000	-0.427	-0.811	-0.057	-0.069
75.0	0.00000	-0.427	-0.811	-0.057	-0.069
80.0	0.00000	-0.427	-0.811	-0.057	-0.069
85.0	0.00000	-0.427	-0.811	-0.057	-0.069
90.0	0.00000	-0.427	-0.811	-0.057	-0.069
95.0	0.00000	-0.427	-0.811	-0.057	-0.069
100.0	0.00000	-0.427	-0.811	-0.057	-0.069

MIN 243	POINT 14	ALPHA	22.00 PSI	0.00 HEIGHT	95.13
L/C	%	BP 2	BP 6	BP 12	BP 22
0.0	0.00000	-0.179	-0.032	-2.038	-2.173
2.5	0.00000	-1.012	-0.346	-2.082	-2.302
5.0	0.00000	-1.012	-0.346	-2.082	-2.302
10.0	0.00000	-1.012	-0.346	-2.082	-2.302
15.0	0.00000	-0.829	-0.032	-2.082	-2.302
20.0	0.00000	-0.829	-0.032	-2.082	-2.302
25.0	0.00000	-0.829	-0.032	-2.082	-2.302
30.0	0.00000	-0.829	-0.032	-2.082	-2.302
35.0	0.00000	-0.829	-0.032	-2.082	-2.302
40.0	0.00000	-0.829	-0.032	-2.082	-2.302
45.0	0.00000	-0.829	-0.032	-2.082	-2.302
50.0	0.00000	-0.829	-0.032	-2.082	-2.302
55.0	0.00000	-0.829	-0.032	-2.082	-2.302
60.0	0.00000	-0.829	-0.032	-2.082	-2.302
65.0	0.00000	-0.829	-0.032	-2.082	-2.302
70.0	0.00000	-0.829	-0.032	-2.082	-2.302
75.0	0.00000	-0.829	-0.032	-2.082	-2.302
80.0	0.00000	-0.829	-0.032	-2.082	-2.302
85.0	0.00000	-0.829	-0.032	-2.082	-2.302
90.0	0.00000	-0.829	-0.032	-2.082	-2.302
95.0	0.00000	-0.829	-0.032	-2.082	-2.302
100.0	0.00000	-0.829	-0.032	-2.082	-2.302

MINO PRESSURE COEFFICIENTS

MIN 243	POINT 5	ALPHA	4.02 PSI	0.00 HEIGHT	84.97
L/C	%	BP 2	BP 6	BP 12	BP 22
0.0	0.00000	0.318	0.402	0.310	-0.524
2.5	0.00000	0.047	-0.074	-0.464	-0.617
5.0	0.00000	-0.027	-0.120	-0.872	-0.860
10.0	0.00000	-0.117	-0.183	-0.357	-0.540
15.0	0.00000	-0.148	-0.254	-0.119	-0.420
20.0	0.00000	-0.220	-0.325	-0.220	-0.377
25.0	0.00000	-0.248	-0.344	-0.374	-0.320
30.0	0.00000	-0.248	-0.344	-0.374	-0.320
35.0	0.00000	-0.248	-0.344	-0.374	-0.320
40.0	0.00000	-0.248	-0.344	-0.374	-0.320
45.0	0.00000	-0.248	-0.344	-0.374	-0.320
50.0	0.00000	-0.248	-0.344	-0.374	-0.320
55.0	0.00000	-0.248	-0.344	-0.374	-0.320
60.0	0.00000	-0.248	-0.344	-0.374	-0.320
65.0	0.00000	-0.248	-0.344	-0.374	-0.320
70.0	0.00000	-0.248	-0.344	-0.374	-0.320
75.0	0.00000	-0.248	-0.344	-0.374	-0.320
80.0	0.00000	-0.248	-0.344	-0.374	-0.320
85.0	0.00000	-0.248	-0.344	-0.374	-0.320
90.0	0.00000	-0.248	-0.344	-0.374	-0.320
95.0	0.00000	-0.248	-0.344	-0.374	-0.320
100.0	0.00000	-0.248	-0.344	-0.374	-0.320

MIN 243	POINT 7	ALPHA	8.00 PSI	0.00 HEIGHT	88.83
L/C	%	BP 2	BP 6	BP 12	BP 22
0.0	0.00000	0.523	0.143	-0.937	-2.163
2.5	0.00000	-0.166	-0.420	-1.277	-1.811
5.0	0.00000	-0.279	-0.290	-0.948	-1.500
10.0	0.00000	-0.367	-0.117	-0.660	-1.071
15.0	0.00000	-0.343	-0.250	-0.540	-0.945
20.0	0.00000	-0.315	-0.242	-0.417	-0.867
25.0	0.00000	-0.288	-0.360	-0.460	-0.860
30.0	0.00000	-0.260	-0.473	-0.510	-0.825
35.0	0.00000	-0.233	-0.586	-0.510	-0.789
40.0	0.00000	-0.206	-0.699	-0.510	-0.753
45.0	0.00000	-0.179	-0.812	-0.510	-0.717
50.0	0.00000	-0.152	-0.925	-0.510	-0.681
55.0	0.00000	-0.125	-1.038	-0.510	-0.645
60.0	0.00000	-0.098	-1.151	-0.510	-0.609
65.0	0.00000	-0.071	-1.264	-0.510	-0.573
70.0	0.00000	-0.044	-1.377	-0.510	-0.537
75.0	0.00000	-0.017	-1.490	-0.510	-0.501
80.0	0.00000	0.010	-1.603	-0.510	-0.465
85.0	0.00000	0.037	-1.716	-0.510	-0.429
90.0	0.00000	0.064	-1.829	-0.510	-0.393
95.0	0.00000	0.091	-1.942	-0.510	-0.357
100.0	0.00000	0.118	-2.055	-0.510	-0.321

MINO PRESSURE COEFFICIENTS

MIN 274 POINT 2 ALPHA		-0.01 PSI		0.00 HEIGHT 91.01		0.00 HEIGHT 88.42	
L/C. %	BP 2	BP 3	BP 4	BP 5	BP 6	BP 7	BP 8
0.0 (UPPER)	0.452	0.278	0.043	0.043	0.043	-1.507	-2.308
2.5	-0.338	-0.478	-0.020	-0.020	-0.020	-1.259	-2.052
5.0	-0.342	-0.445	-0.022	-0.022	-0.022	-1.259	-2.052
10.0	-0.353	-0.433	-0.026	-0.026	-0.026	-1.259	-2.052
15.0	-0.362	-0.447	-0.030	-0.030	-0.030	-1.259	-2.052
20.0	-0.367	-0.468	-0.034	-0.034	-0.034	-1.259	-2.052
25.0	-0.372	-0.481	-0.038	-0.038	-0.038	-1.259	-2.052
30.0	-0.381	-0.487	-0.041	-0.041	-0.041	-1.259	-2.052
35.0	-0.386	-0.496	-0.045	-0.045	-0.045	-1.259	-2.052
40.0	-0.391	-0.506	-0.049	-0.049	-0.049	-1.259	-2.052
45.0	-0.396	-0.516	-0.053	-0.053	-0.053	-1.259	-2.052
50.0	-0.403	-0.524	-0.057	-0.057	-0.057	-1.259	-2.052
55.0	-0.411	-0.534	-0.061	-0.061	-0.061	-1.259	-2.052
60.0	-0.419	-0.544	-0.065	-0.065	-0.065	-1.259	-2.052
65.0	-0.427	-0.554	-0.069	-0.069	-0.069	-1.259	-2.052
70.0	-0.435	-0.564	-0.073	-0.073	-0.073	-1.259	-2.052
75.0	-0.443	-0.574	-0.077	-0.077	-0.077	-1.259	-2.052
80.0	-0.451	-0.584	-0.081	-0.081	-0.081	-1.259	-2.052
85.0	-0.459	-0.594	-0.085	-0.085	-0.085	-1.259	-2.052
90.0	-0.467	-0.604	-0.089	-0.089	-0.089	-1.259	-2.052
95.0	-0.475	-0.614	-0.093	-0.093	-0.093	-1.259	-2.052
100.0	-0.483	-0.624	-0.097	-0.097	-0.097	-1.259	-2.052

MIN 274 POINT 4 ALPHA		4.00 PSI		0.00 HEIGHT 88.00	
L/C. %	BP 2	BP 3	BP 4	BP 5	BP 6
0.0 (UPPER)	0.204	0.815	-1.481	-1.481	-1.481
2.5	-0.785	-0.911	-1.180	-1.180	-1.180
5.0	-0.808	-0.911	-1.080	-1.080	-1.080
10.0	-0.808	-0.877	-0.972	-0.972	-0.972
15.0	-0.808	-0.842	-0.864	-0.864	-0.864
20.0	-0.808	-0.808	-0.756	-0.756	-0.756
25.0	-0.808	-0.772	-0.648	-0.648	-0.648
30.0	-0.808	-0.737	-0.540	-0.540	-0.540
35.0	-0.808	-0.702	-0.432	-0.432	-0.432
40.0	-0.808	-0.667	-0.324	-0.324	-0.324
45.0	-0.808	-0.632	-0.216	-0.216	-0.216
50.0	-0.808	-0.597	-0.108	-0.108	-0.108
55.0	-0.808	-0.562	0.000	0.000	0.000
60.0	-0.808	-0.527	0.108	0.108	0.108
65.0	-0.808	-0.492	0.216	0.216	0.216
70.0	-0.808	-0.457	0.324	0.324	0.324
75.0	-0.808	-0.422	0.432	0.432	0.432
80.0	-0.808	-0.387	0.540	0.540	0.540
85.0	-0.808	-0.352	0.648	0.648	0.648
90.0	-0.808	-0.317	0.756	0.756	0.756
95.0	-0.808	-0.282	0.864	0.864	0.864
100.0	-0.808	-0.247	0.972	0.972	0.972

MIN 274 POINT 7 ALPHA		12.00 PSI		0.00 HEIGHT 80.11	
L/C. %	BP 2	BP 3	BP 4	BP 5	BP 6
0.0 (UPPER)	0.943	-2.943	-4.510	-4.510	-4.510
2.5	-1.886	-4.232	-4.232	-4.232	-4.232
5.0	-1.428	-3.688	-3.688	-3.688	-3.688
10.0	-1.128	-3.047	-3.047	-3.047	-3.047
15.0	-0.841	-2.378	-2.378	-2.378	-2.378
20.0	-0.554	-1.688	-1.688	-1.688	-1.688
25.0	-0.267	-0.998	-0.998	-0.998	-0.998
30.0	0.020	-0.308	-0.308	-0.308	-0.308
35.0	0.308	0.308	0.308	0.308	0.308
40.0	0.595	0.595	0.595	0.595	0.595
45.0	0.882	0.882	0.882	0.882	0.882
50.0	1.170	1.170	1.170	1.170	1.170
55.0	1.457	1.457	1.457	1.457	1.457
60.0	1.745	1.745	1.745	1.745	1.745
65.0	2.032	2.032	2.032	2.032	2.032
70.0	2.320	2.320	2.320	2.320	2.320
75.0	2.607	2.607	2.607	2.607	2.607
80.0	2.895	2.895	2.895	2.895	2.895
85.0	3.182	3.182	3.182	3.182	3.182
90.0	3.470	3.470	3.470	3.470	3.470
95.0	3.757	3.757	3.757	3.757	3.757
100.0	4.045	4.045	4.045	4.045	4.045

MIN 274 POINT 9 ALPHA		20.00 PSI		0.00 HEIGHT 70.11	
L/C. %	BP 2	BP 3	BP 4	BP 5	BP 6
0.0 (UPPER)	1.481	-4.481	-7.481	-7.481	-7.481
2.5	-2.962	-7.962	-10.962	-10.962	-10.962
5.0	-2.481	-6.962	-9.962	-9.962	-9.962
10.0	-1.962	-5.962	-8.962	-8.962	-8.962
15.0	-1.481	-4.962	-7.962	-7.962	-7.962
20.0	-0.962	-3.962	-6.962	-6.962	-6.962
25.0	-0.481	-2.962	-5.962	-5.962	-5.962
30.0	0.000	-1.962	-4.962	-4.962	-4.962
35.0	0.481	-0.962	-3.962	-3.962	-3.962
40.0	0.962	0.000	-2.962	-2.962	-2.962
45.0	1.481	0.962	-1.962	-1.962	-1.962
50.0	1.962	1.962	-0.962	-0.962	-0.962
55.0	2.481	2.962	0.000	0.000	0.000
60.0	2.962	3.962	0.962	0.962	0.962
65.0	3.481	4.962	1.962	1.962	1.962
70.0	3.962	5.962	2.962	2.962	2.962
75.0	4.481	6.962	3.962	3.962	3.962
80.0	4.962	7.962	4.962	4.962	4.962
85.0	5.481	8.962	5.962	5.962	5.962
90.0	5.962	9.962	6.962	6.962	6.962
95.0	6.481	10.962	7.962	7.962	7.962
100.0	6.962	11.962	8.962	8.962	8.962

WING PRESSURE COEFFICIENTS

MM 274 POINT 10 ALPHA 22.00 PSI 0.00 HEIGHT 98.73

X/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-2.015	-1.081	-1.058	-1.523	-1.385
2.5	-1.993	-1.081	-1.058	-1.523	-1.385
5.0	-1.967	-1.081	-1.058	-1.523	-1.385
7.5	-1.932	-1.081	-1.058	-1.523	-1.385
10.0	-1.897	-1.081	-1.058	-1.523	-1.385
12.5	-1.862	-1.081	-1.058	-1.523	-1.385
15.0	-1.827	-1.081	-1.058	-1.523	-1.385
17.5	-1.792	-1.081	-1.058	-1.523	-1.385
20.0	-1.757	-1.081	-1.058	-1.523	-1.385
22.5	-1.722	-1.081	-1.058	-1.523	-1.385
25.0	-1.687	-1.081	-1.058	-1.523	-1.385
27.5	-1.652	-1.081	-1.058	-1.523	-1.385
30.0	-1.617	-1.081	-1.058	-1.523	-1.385
32.5	-1.582	-1.081	-1.058	-1.523	-1.385
35.0	-1.547	-1.081	-1.058	-1.523	-1.385
37.5	-1.512	-1.081	-1.058	-1.523	-1.385
40.0	-1.477	-1.081	-1.058	-1.523	-1.385
42.5	-1.442	-1.081	-1.058	-1.523	-1.385
45.0	-1.407	-1.081	-1.058	-1.523	-1.385
47.5	-1.372	-1.081	-1.058	-1.523	-1.385
50.0	-1.337	-1.081	-1.058	-1.523	-1.385
52.5	-1.302	-1.081	-1.058	-1.523	-1.385
55.0	-1.267	-1.081	-1.058	-1.523	-1.385
57.5	-1.232	-1.081	-1.058	-1.523	-1.385
60.0	-1.197	-1.081	-1.058	-1.523	-1.385
62.5	-1.162	-1.081	-1.058	-1.523	-1.385
65.0	-1.127	-1.081	-1.058	-1.523	-1.385
67.5	-1.092	-1.081	-1.058	-1.523	-1.385
70.0	-1.057	-1.081	-1.058	-1.523	-1.385
72.5	-1.022	-1.081	-1.058	-1.523	-1.385
75.0	-0.987	-1.081	-1.058	-1.523	-1.385
77.5	-0.952	-1.081	-1.058	-1.523	-1.385
80.0	-0.917	-1.081	-1.058	-1.523	-1.385
82.5	-0.882	-1.081	-1.058	-1.523	-1.385
85.0	-0.847	-1.081	-1.058	-1.523	-1.385
87.5	-0.812	-1.081	-1.058	-1.523	-1.385
90.0	-0.777	-1.081	-1.058	-1.523	-1.385
92.5	-0.742	-1.081	-1.058	-1.523	-1.385
95.0	-0.707	-1.081	-1.058	-1.523	-1.385
97.5	-0.672	-1.081	-1.058	-1.523	-1.385
100.0	-0.637	-1.081	-1.058	-1.523	-1.385
2.5 (LOWER)	-0.887	-0.520	-0.387	-0.347	-0.541
5.0	-0.862	-0.520	-0.387	-0.347	-0.541
7.5	-0.837	-0.520	-0.387	-0.347	-0.541
10.0	-0.812	-0.520	-0.387	-0.347	-0.541
12.5	-0.787	-0.520	-0.387	-0.347	-0.541
15.0	-0.762	-0.520	-0.387	-0.347	-0.541
17.5	-0.737	-0.520	-0.387	-0.347	-0.541
20.0	-0.712	-0.520	-0.387	-0.347	-0.541
22.5	-0.687	-0.520	-0.387	-0.347	-0.541
25.0	-0.662	-0.520	-0.387	-0.347	-0.541
27.5	-0.637	-0.520	-0.387	-0.347	-0.541
30.0	-0.612	-0.520	-0.387	-0.347	-0.541
32.5	-0.587	-0.520	-0.387	-0.347	-0.541
35.0	-0.562	-0.520	-0.387	-0.347	-0.541
37.5	-0.537	-0.520	-0.387	-0.347	-0.541
40.0	-0.512	-0.520	-0.387	-0.347	-0.541
42.5	-0.487	-0.520	-0.387	-0.347	-0.541
45.0	-0.462	-0.520	-0.387	-0.347	-0.541
47.5	-0.437	-0.520	-0.387	-0.347	-0.541
50.0	-0.412	-0.520	-0.387	-0.347	-0.541
52.5	-0.387	-0.520	-0.387	-0.347	-0.541
55.0	-0.362	-0.520	-0.387	-0.347	-0.541
57.5	-0.337	-0.520	-0.387	-0.347	-0.541
60.0	-0.312	-0.520	-0.387	-0.347	-0.541
62.5	-0.287	-0.520	-0.387	-0.347	-0.541
65.0	-0.262	-0.520	-0.387	-0.347	-0.541
67.5	-0.237	-0.520	-0.387	-0.347	-0.541
70.0	-0.212	-0.520	-0.387	-0.347	-0.541
72.5	-0.187	-0.520	-0.387	-0.347	-0.541
75.0	-0.162	-0.520	-0.387	-0.347	-0.541
77.5	-0.137	-0.520	-0.387	-0.347	-0.541
80.0	-0.112	-0.520	-0.387	-0.347	-0.541
82.5	-0.087	-0.520	-0.387	-0.347	-0.541
85.0	-0.062	-0.520	-0.387	-0.347	-0.541
87.5	-0.037	-0.520	-0.387	-0.347	-0.541
90.0	0.000	-0.520	-0.387	-0.347	-0.541
92.5	0.025	-0.520	-0.387	-0.347	-0.541
95.0	0.050	-0.520	-0.387	-0.347	-0.541
97.5	0.075	-0.520	-0.387	-0.347	-0.541
100.0	0.100	-0.520	-0.387	-0.347	-0.541

WING PRESSURE COEFFICIENTS

MM 275 POINT 4 ALPHA 2.00 PSI 0.00 HEIGHT 98.06

X/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.258	-0.943	-1.025	-1.027	-2.260
2.5	-0.231	-0.915	-1.025	-1.027	-2.260
5.0	-0.204	-0.887	-1.025	-1.027	-2.260
7.5	-0.177	-0.859	-1.025	-1.027	-2.260
10.0	-0.150	-0.831	-1.025	-1.027	-2.260
12.5	-0.123	-0.803	-1.025	-1.027	-2.260
15.0	-0.096	-0.775	-1.025	-1.027	-2.260
17.5	-0.069	-0.747	-1.025	-1.027	-2.260
20.0	-0.042	-0.719	-1.025	-1.027	-2.260
22.5	-0.015	-0.691	-1.025	-1.027	-2.260
25.0	0.012	-0.663	-1.025	-1.027	-2.260
27.5	0.039	-0.635	-1.025	-1.027	-2.260
30.0	0.066	-0.607	-1.025	-1.027	-2.260
32.5	0.093	-0.579	-1.025	-1.027	-2.260
35.0	0.120	-0.551	-1.025	-1.027	-2.260
37.5	0.147	-0.523	-1.025	-1.027	-2.260
40.0	0.174	-0.495	-1.025	-1.027	-2.260
42.5	0.201	-0.467	-1.025	-1.027	-2.260
45.0	0.228	-0.439	-1.025	-1.027	-2.260
47.5	0.255	-0.411	-1.025	-1.027	-2.260
50.0	0.282	-0.383	-1.025	-1.027	-2.260
52.5	0.309	-0.355	-1.025	-1.027	-2.260
55.0	0.336	-0.327	-1.025	-1.027	-2.260
57.5	0.363	-0.299	-1.025	-1.027	-2.260
60.0	0.390	-0.271	-1.025	-1.027	-2.260
62.5	0.417	-0.243	-1.025	-1.027	-2.260
65.0	0.444	-0.215	-1.025	-1.027	-2.260
67.5	0.471	-0.187	-1.025	-1.027	-2.260
70.0	0.498	-0.159	-1.025	-1.027	-2.260
72.5	0.525	-0.131	-1.025	-1.027	-2.260
75.0	0.552	-0.103	-1.025	-1.027	-2.260
77.5	0.579	-0.075	-1.025	-1.027	-2.260
80.0	0.606	-0.047	-1.025	-1.027	-2.260
82.5	0.633	-0.019	-1.025	-1.027	-2.260
85.0	0.660	0.009	-1.025	-1.027	-2.260
87.5	0.687	0.037	-1.025	-1.027	-2.260
90.0	0.714	0.065	-1.025	-1.027	-2.260
92.5	0.741	0.093	-1.025	-1.027	-2.260
95.0	0.768	0.121	-1.025	-1.027	-2.260
97.5	0.795	0.149	-1.025	-1.027	-2.260
100.0	0.822	0.177	-1.025	-1.027	-2.260
2.5 (LOWER)	-0.216	-0.900	-1.025	-1.027	-2.260
5.0	-0.189	-0.872	-1.025	-1.027	-2.260
7.5	-0.162	-0.844	-1.025	-1.027	-2.260
10.0	-0.135	-0.816	-1.025	-1.027	-2.260
12.5	-0.108	-0.788	-1.025	-1.027	-2.260
15.0	-0.081	-0.760	-1.025	-1.027	-2.260
17.5	-0.054	-0.732	-1.025	-1.027	-2.260
20.0	-0.027	-0.704	-1.025	-1.027	-2.260
22.5	0.000	-0.676	-1.025	-1.027	-2.260
25.0	0.027	-0.648	-1.025	-1.027	-2.260
27.5	0.054	-0.620	-1.025	-1.027	-2.260
30.0	0.081	-0.592	-1.025	-1.027	-2.260
32.5	0.108	-0.564	-1.025	-1.027	-2.260
35.0	0.135	-0.536	-1.025	-1.027	-2.260
37.5	0.162	-0.508	-1.025	-1.027	-2.260
40.0	0.189	-0.480	-1.025	-1.027	-2.260
42.5	0.216	-0.452	-1.025	-1.027	-2.260
45.0	0.243	-0.424	-1.025	-1.027	-2.260
47.5	0.270	-0.396	-1.025	-1.027	-2.260
50.0	0.297	-0.368	-1.025	-1.027	-2.260
52.5	0.324	-0.340	-1.025	-1.027	-2.260
55.0	0.351	-0.312	-1.025	-1.027	-2.260
57.5	0.378	-0.284	-1.025	-1.027	-2.260
60.0	0.405	-0.256	-1.025	-1.027	-2.260
62.5	0.432	-0.228	-1.025	-1.027	-2.260
65.0	0.459	-0.200	-1.025	-1.027	-2.260
67.5	0.486	-0.172	-1.025	-1.027	-2.260
70.0	0.513	-0.144	-1.025	-1.027	-2.260
72.5	0.540	-0.116	-1.025	-1.027	-2.260
75.0	0.567	-0.088	-1.025	-1.027	-2.260
77.5	0.594	-0.060	-1.025	-1.027	-2.260
80.0	0.621	-0.032	-1.025	-1.027	-2.260
82.5	0.648	0.000	-1.025	-1.027	-2.260
85.0	0.675	0.028	-1.025	-1.027	-2.260
87.5	0.702	0.056	-1.025	-1.027	-2.260
90.0	0.729	0.084	-1.025	-1.027	-2.260
92.5	0.756	0.112	-1.025	-1.027	-2.260
95.0	0.783	0.140	-1.025	-1.027	-2.260
97.5	0.810	0.168	-1.025	-1.027	-2.260
100.0	0.837	0.196	-1.025	-1.027	-2.260

MM 275 POINT 2 ALPHA 0.02 PSI 0.00 HEIGHT 98.72

X/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	0.300	0.150	-0.018	-0.087	-0.200
2.5	-0.455	-0.395	-0.753	-0.782	-0.818
5.0	-0.420	-0.518	-0.683	-0.695	-0.713
7.5	-0.407	-0.534	-0.647	-0.643	-0.656
10.0	-0.398	-0.492	-0.628	-0.610	-0.578
12.5	-0.389	-0.515	-0.532	-0.550	-0.524
15.0	-0.380	-0.545	-0.463	-0.528	-0.484
17.5	-0.371	-0.753	-0.352	-0.684	-0.587
20.0	-0.362	-0.957	188.819	3.372	142.608
22.5	-0.353	-1.308	103.685	3.247	53.540
25.0	-0.344	-1.018	1.280	2.315	0.218
27.5	-0.335	-1.795	-0.482	2.318	0.118
30.0	-0.326	-1.916	-0.344	2.184	0.199
32.5	-0.317	-3.028	-1.248	-1.323	-1.256
35.0	-0.308	-4.185	-1.318	-1.188	-1.556
37.5	-0.299	-2.972	-1.267	-1.382	-1.897
40.0	-0.290	-3.276	-1.248	-1.358	-1.540
42.5	-0.281	-1.868	-1.382	-1.431	-0.981
45.0	-0.272	-1.526	-1.271	-1.380	-1.522
47.5	-0.263	-1.526	-1.271	-1.380	-1.522
50.0	-0.254	-1.811	-1.210	-1.238	-1.402
52.5	-0.245	0.060	0.762	0.155	0.155
55.0	-0.049	-0.028	0.996	0.108	0.062
57.5	-0.432	0.009	-0.002	0.040	-0.006
60.0	-0.074	-0.104	-0.021	-0.027	-0.046
62.5	-0.140	-0.643	0.029	0.100	0.262
65.0	-0.095	0.143	0.234	-0.358	4.317
67.5	0.252	0.517	0.558	0.515	0.454
70.0	0.326	0.374	-1.589	0.499	0.382
72.5	0.384	0.278	0.126	0.111	0.018
75.0	-	-	-	-	-
77.5	-188.529	-0.018	-	-	-
80.0	-0.259	-1.795	-	-	-
82.5	-3.232	-1.916	-	-	-
85.0	-7.841	-3.028	-	-	-
87.5	-0.825	-2.972	-	-	-
90.0	-1.253	-3.276	-	-	-
92.5	-0.585	-1.868	-	-	-
95.0	-0.084	-1.526	-	-	-
97.5	-2.184	-1.811	-	-	-
100.0	0.010	0.060	-	-	-
102.5	-0.049	-0.028	-	-	-
105.0	-0.432	0.009	-	-	-
107.5	-0.074	-0.104	-	-	-
110.0	-0.140	-0.643	-	-	-
112.5	0.095	0.143	-	-	-
115.0	0.252	0.517	-	-	-
117.5	0.326	0.374	-	-	-
120.0	0.384	0.278	-	-	-

MINI PRESSURE COEFFICIENTS

MINI 275 POINT 7 ALPHA 12.00 PSI 0.00 HEIGHT 04.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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MINI 275	POINT 10	ALPHA	22.01 PSI	0.00 HEIGHT	04.10
X/C	%	BP 2	BP 6	BP 12	BP 16
0.0	0.0	-2.524	-2.210	-1.840	-1.522
2.5	2.5	-2.581	-2.188	-1.820	-1.534
5.0	5.0	-2.520	-2.188	-1.800	-1.500
10.0	10.0	-2.221	-2.128	-1.743	-1.504
15.0	15.0	-2.000	-2.067	-1.743	-1.504
20.0	20.0	-1.810	-2.017	-1.743	-1.547
24.0	24.0	-1.660	-1.966	-1.743	-1.510
32.0	32.0	-1.460	-1.877	-1.743	-1.510
34.0	34.0	-1.418	-1.856	-1.743	-1.510
36.0	36.0	-1.374	-1.835	-1.743	-1.510
38.0	38.0	-1.330	-1.813	-1.743	-1.510
40.0	40.0	-1.286	-1.792	-1.743	-1.510
42.0	42.0	-1.242	-1.770	-1.743	-1.510
44.0	44.0	-1.198	-1.749	-1.743	-1.510
46.0	46.0	-1.154	-1.728	-1.743	-1.510
48.0	48.0	-1.110	-1.707	-1.743	-1.510
50.0	50.0	-1.066	-1.686	-1.743	-1.510
52.0	52.0	-1.022	-1.665	-1.743	-1.510
54.0	54.0	-0.978	-1.644	-1.743	-1.510
56.0	56.0	-0.934	-1.623	-1.743	-1.510
58.0	58.0	-0.890	-1.602	-1.743	-1.510
60.0	60.0	-0.846	-1.581	-1.743	-1.510
62.0	62.0	-0.802	-1.560	-1.743	-1.510
64.0	64.0	-0.758	-1.539	-1.743	-1.510
66.0	66.0	-0.714	-1.518	-1.743	-1.510
68.0	68.0	-0.670	-1.497	-1.743	-1.510
70.0	70.0	-0.626	-1.476	-1.743	-1.510
72.0	72.0	-0.582	-1.455	-1.743	-1.510
74.0	74.0	-0.538	-1.434	-1.743	-1.510
76.0	76.0	-0.494	-1.413	-1.743	-1.510
78.0	78.0	-0.450	-1.392	-1.743	-1.510
80.0	80.0	-0.406	-1.371	-1.743	-1.510
82.0	82.0	-0.362	-1.350	-1.743	-1.510
84.0	84.0	-0.318	-1.329	-1.743	-1.510
86.0	86.0	-0.274	-1.308	-1.743	-1.510
88.0	88.0	-0.230	-1.287	-1.743	-1.510
90.0	90.0	-0.186	-1.266	-1.743	-1.510
92.0	92.0	-0.142	-1.245	-1.743	-1.510
94.0	94.0	-0.098	-1.224	-1.743	-1.510
96.0	96.0	-0.054	-1.203	-1.743	-1.510
98.0	98.0	-0.010	-1.182	-1.743	-1.510
100.0	100.0	-0.000	-1.161	-1.743	-1.510

MINI PRESSURE COEFFICIENTS

MINI 275 POINT 2	ALPHA	0.00 PSI	0.00 HEIGHT	04.12		
X/C	%	BP 2	BP 6	BP 12	BP 16	BP 22
0.0	0.0	0.793	-0.112	-0.201	-0.291	-0.382
2.5	2.5	-0.723	-0.000	-1.020	-1.020	-1.020
5.0	5.0	-0.644	-0.025	-0.940	-0.940	-0.940
10.0	10.0	-0.565	-0.050	-0.860	-0.860	-0.860
15.0	15.0	-0.486	-0.075	-0.780	-0.780	-0.780
20.0	20.0	-0.407	-0.100	-0.700	-0.700	-0.700
25.0	25.0	-0.328	-0.125	-0.620	-0.620	-0.620
30.0	30.0	-0.249	-0.150	-0.540	-0.540	-0.540
35.0	35.0	-0.170	-0.175	-0.460	-0.460	-0.460
40.0	40.0	-0.091	-0.200	-0.380	-0.380	-0.380
45.0	45.0	-0.012	-0.225	-0.300	-0.300	-0.300
50.0	50.0	-0.067	-0.250	-0.220	-0.220	-0.220
55.0	55.0	-0.134	-0.275	-0.140	-0.140	-0.140
60.0	60.0	-0.201	-0.300	-0.060	-0.060	-0.060
65.0	65.0	-0.268	-0.325	0.020	0.020	0.020
70.0	70.0	-0.335	-0.350	0.100	0.100	0.100
75.0	75.0	-0.402	-0.375	0.180	0.180	0.180
80.0	80.0	-0.469	-0.400	0.260	0.260	0.260
85.0	85.0	-0.536	-0.425	0.340	0.340	0.340
90.0	90.0	-0.603	-0.450	0.420	0.420	0.420
100.0	100.0	-0.670	-0.475	0.500	0.500	0.500
2.5	2.5	367.044	317.361	288.361	268.361	248.361
5.0	5.0	192.762	167.374	147.374	127.374	107.374
10.0	10.0	96.381	83.687	73.687	63.687	53.687
15.0	15.0	64.254	55.791	49.124	42.457	35.789
20.0	20.0	48.190	41.793	36.443	30.794	25.145
25.0	25.0	36.143	31.345	27.345	22.946	18.547
30.0	30.0	27.106	23.796	20.796	17.397	14.000
35.0	35.0	20.881	18.398	15.898	13.398	10.898
40.0	40.0	16.705	14.705	12.705	10.705	8.705
45.0	45.0	13.364	11.364	9.364	7.364	5.364
50.0	50.0	10.771	8.771	6.771	4.771	2.771
55.0	55.0	8.919	6.919	4.919	2.919	0.919
60.0	60.0	7.744	5.744	3.744	1.744	-0.256
65.0	65.0	6.996	4.996	2.996	0.996	-1.004
70.0	70.0	6.525	4.525	2.525	0.525	-1.475
75.0	75.0	6.289	4.289	2.289	0.289	-1.711
80.0	80.0	6.216	4.216	2.216	0.216	-1.784
85.0	85.0	6.289	4.289	2.289	0.289	-1.711
90.0	90.0	6.525	4.525	2.525	0.525	-1.475
95.0	95.0	6.996	4.996	2.996	0.996	-1.004
100.0	100.0	7.744	5.744	3.744	1.744	-0.256

MINI 275 POINT 4	ALPHA	4.02 PSI	0.00 HEIGHT	07.70		
X/C	%	BP 2	BP 6	BP 12	BP 16	BP 22
0.0	0.0	-0.510	-1.150	-1.820	-2.490	-3.160
2.5	2.5	-1.150	-1.000	-2.170	-2.840	-3.510
5.0	5.0	-0.847	-1.000	-2.170	-2.840	-3.510
10.0	10.0	-0.543	-1.000	-2.170	-2.840	-3.510
15.0	15.0	-0.240	-0.932	-2.170	-2.840	-3.510
20.0	20.0	-0.110	-0.860	-2.170	-2.840	-3.510
25.0	25.0	-0.020	-0.788	-2.170	-2.840	-3.510
30.0	30.0	-0.060	-0.716	-2.170	-2.840	-3.510
35.0	35.0	-0.110	-0.644	-2.170	-2.840	-3.510
40.0	40.0	-0.160	-0.572	-2.170	-2.840	-3.510
45.0	45.0	-0.210	-0.500	-2.170	-2.840	-3.510
50.0	50.0	-0.260	-0.428	-2.170	-2.840	-3.510
55.0	55.0	-0.310	-0.356	-2.170	-2.840	-3.510
60.0	60.0	-0.360	-0.284	-2.170	-2.840	-3.510
65.0	65.0	-0.410	-0.212	-2.170	-2.840	-3.510
70.0	70.0	-0.460	-0.140	-2.170	-2.840	-3.510
75.0	75.0	-0.510	-0.068	-2.170	-2.840	-3.510
80.0	80.0	-0.560	0.004	-2.170	-2.840	-3.510
85.0	85.0	-0.610	0.076	-2.170	-2.840	-3.510
90.0	90.0	-0.660	0.148	-2.170	-2.840	-3.510
95.0	95.0	-0.710	0.220	-2.170	-2.840	-3.510
100.0	100.0	-0.760	0.292	-2.170	-2.840	-3.510

MINE PRESSURE COEFFICIENTS

MIN 276 POINT 6 ALPHA 0.02 PSI		0.00 HEIGHT 00.00		0.00 HEIGHT 00.00	
L/C %		BP 2	BP 6	BP 12	BP 22
0.0	0.0000	-1.770	-2.150	-2.520	-1.000
2.5	-1.000	-2.140	-2.510	-2.880	-1.000
5.0	-1.200	-2.130	-2.470	-2.840	-1.000
10.0	-1.000	-1.200	-2.460	-2.810	-1.000
15.0	-0.800	-1.170	-2.450	-2.780	-1.000
20.0	-0.600	-1.140	-2.440	-2.750	-1.000
25.0	-0.400	-1.110	-2.430	-2.720	-1.000
30.0	-0.200	-1.080	-2.420	-2.690	-1.000
35.0	-0.000	-1.050	-2.410	-2.660	-1.000
40.0	0.200	-1.020	-2.400	-2.630	-1.000
45.0	0.400	-0.990	-2.390	-2.600	-1.000
50.0	0.600	-0.960	-2.380	-2.570	-1.000
55.0	0.800	-0.930	-2.370	-2.540	-1.000
60.0	1.000	-0.900	-2.360	-2.510	-1.000
65.0	1.200	-0.870	-2.350	-2.480	-1.000
70.0	1.400	-0.840	-2.340	-2.450	-1.000
75.0	1.600	-0.810	-2.330	-2.420	-1.000
80.0	1.800	-0.780	-2.320	-2.390	-1.000
85.0	2.000	-0.750	-2.310	-2.360	-1.000
90.0	2.200	-0.720	-2.300	-2.330	-1.000
95.0	2.400	-0.690	-2.290	-2.300	-1.000
100.0	2.600	-0.660	-2.280	-2.270	-1.000

MIN 276 POINT 7 ALPHA 10.00 PSI		0.00 HEIGHT 07.34		0.00 HEIGHT 07.34	
L/C %		BP 2	BP 6	BP 12	BP 22
0.0	0.0000	-2.710	-4.330	-2.870	-1.750
2.5	-1.000	-2.700	-4.320	-2.860	-1.740
5.0	-1.000	-2.690	-4.310	-2.850	-1.730
10.0	-1.000	-2.680	-4.300	-2.840	-1.720
15.0	-1.000	-2.670	-4.290	-2.830	-1.710
20.0	-1.000	-2.660	-4.280	-2.820	-1.700
25.0	-1.000	-2.650	-4.270	-2.810	-1.690
30.0	-1.000	-2.640	-4.260	-2.800	-1.680
35.0	-1.000	-2.630	-4.250	-2.790	-1.670
40.0	-1.000	-2.620	-4.240	-2.780	-1.660
45.0	-1.000	-2.610	-4.230	-2.770	-1.650
50.0	-1.000	-2.600	-4.220	-2.760	-1.640
55.0	-1.000	-2.590	-4.210	-2.750	-1.630
60.0	-1.000	-2.580	-4.200	-2.740	-1.620
65.0	-1.000	-2.570	-4.190	-2.730	-1.610
70.0	-1.000	-2.560	-4.180	-2.720	-1.600
75.0	-1.000	-2.550	-4.170	-2.710	-1.590
80.0	-1.000	-2.540	-4.160	-2.700	-1.580
85.0	-1.000	-2.530	-4.150	-2.690	-1.570
90.0	-1.000	-2.520	-4.140	-2.680	-1.560
95.0	-1.000	-2.510	-4.130	-2.670	-1.550
100.0	-1.000	-2.500	-4.120	-2.660	-1.540

MINE PRESSURE COEFFICIENTS

MIN 276 POINT 10 ALPHA 21.00 PSI		0.00 HEIGHT 00.00		0.00 HEIGHT 00.00	
L/C %		BP 2	BP 6	BP 12	BP 22
0.0	0.0000	-2.200	-2.040	-2.130	-1.000
2.5	-2.000	-2.190	-2.030	-2.120	-1.000
5.0	-2.000	-2.180	-2.020	-2.110	-1.000
10.0	-2.000	-2.170	-2.010	-2.100	-1.000
15.0	-2.000	-2.160	-2.000	-2.090	-1.000
20.0	-2.000	-2.150	-1.990	-2.080	-1.000
25.0	-2.000	-2.140	-1.980	-2.070	-1.000
30.0	-2.000	-2.130	-1.970	-2.060	-1.000
35.0	-2.000	-2.120	-1.960	-2.050	-1.000
40.0	-2.000	-2.110	-1.950	-2.040	-1.000
45.0	-2.000	-2.100	-1.940	-2.030	-1.000
50.0	-2.000	-2.090	-1.930	-2.020	-1.000
55.0	-2.000	-2.080	-1.920	-2.010	-1.000
60.0	-2.000	-2.070	-1.910	-2.000	-1.000
65.0	-2.000	-2.060	-1.900	-1.990	-1.000
70.0	-2.000	-2.050	-1.890	-1.980	-1.000
75.0	-2.000	-2.040	-1.880	-1.970	-1.000
80.0	-2.000	-2.030	-1.870	-1.960	-1.000
85.0	-2.000	-2.020	-1.860	-1.950	-1.000
90.0	-2.000	-2.010	-1.850	-1.940	-1.000
95.0	-2.000	-2.000	-1.840	-1.930	-1.000
100.0	-2.000	-1.990	-1.830	-1.920	-1.000

MIN 290 POINT 3 ALPHA 0.01 PSI		0.00 HEIGHT 00.74		0.00 HEIGHT 00.74	
L/C %		BP 2	BP 6	BP 12	BP 22
0.0	0.0000	0.071	0.002	0.430	0.300
2.5	-0.100	-0.101	-0.200	-0.241	-0.320
5.0	-0.200	-0.200	-0.200	-0.240	-0.320
10.0	-0.300	-0.300	-0.200	-0.239	-0.320
15.0	-0.400	-0.400	-0.200	-0.238	-0.320
20.0	-0.500	-0.500	-0.200	-0.237	-0.320
25.0	-0.600	-0.600	-0.200	-0.236	-0.320
30.0	-0.700	-0.700	-0.200	-0.235	-0.320
35.0	-0.800	-0.800	-0.200	-0.234	-0.320
40.0	-0.900	-0.900	-0.200	-0.233	-0.320
45.0	-1.000	-1.000	-0.200	-0.232	-0.320
50.0	-1.100	-1.100	-0.200	-0.231	-0.320
55.0	-1.200	-1.200	-0.200	-0.230	-0.320
60.0	-1.300	-1.300	-0.200	-0.229	-0.320
65.0	-1.400	-1.400	-0.200	-0.228	-0.320
70.0	-1.500	-1.500	-0.200	-0.227	-0.320
75.0	-1.600	-1.600	-0.200	-0.226	-0.320
80.0	-1.700	-1.700	-0.200	-0.225	-0.320
85.0	-1.800	-1.800	-0.200	-0.224	-0.320
90.0	-1.900	-1.900	-0.200	-0.223	-0.320
95.0	-2.000	-2.000	-0.200	-0.222	-0.320
100.0	-2.100	-2.100	-0.200	-0.221	-0.320

MINE PRESSURE COEFFICIENTS

MIN 200 POINT 0 ALPHA		2.00 PSI		0.00 HEIGHT 87.10	
1/C	%	BP 2	BP 5	BP 12	BP 20
0.0	0.0000	0.071	0.220	-0.741	-1.212
2.5	0.0000	-0.578	-0.887	-0.574	-1.022
5.0	0.0000	-0.408	-0.687	-0.377	-0.836
10.0	0.0000	-0.263	-0.452	-0.248	-0.551
15.0	0.0000	-0.161	-0.284	-0.156	-0.340
20.0	0.0000	-0.094	-0.166	-0.089	-0.200
25.0	0.0000	-0.053	-0.104	-0.057	-0.126
30.0	0.0000	-0.031	-0.064	-0.034	-0.079
35.0	0.0000	-0.018	-0.039	-0.021	-0.048
40.0	0.0000	-0.010	-0.022	-0.012	-0.027
45.0	0.0000	-0.006	-0.014	-0.008	-0.016
50.0	0.0000	-0.003	-0.008	-0.004	-0.009
55.0	0.0000	-0.002	-0.005	-0.002	-0.005
60.0	0.0000	-0.001	-0.003	-0.001	-0.003
65.0	0.0000	-0.000	-0.001	-0.000	-0.001
70.0	0.0000	-0.000	-0.000	-0.000	-0.000
75.0	0.0000	-0.000	-0.000	-0.000	-0.000
80.0	0.0000	-0.000	-0.000	-0.000	-0.000
85.0	0.0000	-0.000	-0.000	-0.000	-0.000
90.0	0.0000	-0.000	-0.000	-0.000	-0.000
95.0	0.0000	-0.000	-0.000	-0.000	-0.000
100.0	0.0000	-0.000	-0.000	-0.000	-0.000

MIN 200 POINT 0 ALPHA		0.00 PSI		0.01 HEIGHT 87.50	
1/C	%	BP 2	BP 5	BP 12	BP 20
0.0	0.0000	-1.088	-1.111	-2.100	-1.823
2.5	0.0000	-0.700	-0.690	-1.746	-1.486
5.0	0.0000	-0.443	-0.440	-1.220	-1.130
10.0	0.0000	-0.287	-0.284	-0.840	-0.787
15.0	0.0000	-0.187	-0.184	-0.540	-0.500
20.0	0.0000	-0.120	-0.117	-0.360	-0.330
25.0	0.0000	-0.080	-0.077	-0.240	-0.220
30.0	0.0000	-0.053	-0.050	-0.160	-0.150
35.0	0.0000	-0.037	-0.034	-0.110	-0.100
40.0	0.0000	-0.025	-0.022	-0.070	-0.060
45.0	0.0000	-0.017	-0.014	-0.040	-0.030
50.0	0.0000	-0.010	-0.007	-0.020	-0.010
55.0	0.0000	-0.006	-0.004	-0.010	-0.005
60.0	0.0000	-0.003	-0.002	-0.005	-0.002
65.0	0.0000	-0.002	-0.001	-0.002	-0.001
70.0	0.0000	-0.001	-0.000	-0.001	-0.000
75.0	0.0000	-0.000	-0.000	-0.000	-0.000
80.0	0.0000	-0.000	-0.000	-0.000	-0.000
85.0	0.0000	-0.000	-0.000	-0.000	-0.000
90.0	0.0000	-0.000	-0.000	-0.000	-0.000
95.0	0.0000	-0.000	-0.000	-0.000	-0.000
100.0	0.0000	-0.000	-0.000	-0.000	-0.000

MINE PRESSURE COEFFICIENTS

MIN 200 POINT 0 ALPHA		12.00 PSI		0.00 HEIGHT 88.12	
1/C	%	BP 2	BP 5	BP 12	BP 20
0.0	0.0000	-2.000	-2.010	-3.900	-3.400
2.5	0.0000	-1.300	-1.310	-2.400	-2.100
5.0	0.0000	-0.800	-0.810	-1.500	-1.300
10.0	0.0000	-0.500	-0.510	-0.900	-0.800
15.0	0.0000	-0.300	-0.310	-0.500	-0.400
20.0	0.0000	-0.200	-0.210	-0.300	-0.200
25.0	0.0000	-0.150	-0.160	-0.200	-0.100
30.0	0.0000	-0.100	-0.110	-0.100	-0.050
35.0	0.0000	-0.070	-0.080	-0.070	-0.030
40.0	0.0000	-0.050	-0.060	-0.050	-0.020
45.0	0.0000	-0.030	-0.040	-0.030	-0.010
50.0	0.0000	-0.020	-0.030	-0.020	-0.005
55.0	0.0000	-0.010	-0.020	-0.010	-0.002
60.0	0.0000	-0.005	-0.010	-0.005	-0.001
65.0	0.0000	-0.003	-0.005	-0.003	-0.000
70.0	0.0000	-0.002	-0.003	-0.002	-0.000
75.0	0.0000	-0.001	-0.002	-0.001	-0.000
80.0	0.0000	-0.000	-0.001	-0.000	-0.000
85.0	0.0000	-0.000	-0.000	-0.000	-0.000
90.0	0.0000	-0.000	-0.000	-0.000	-0.000
95.0	0.0000	-0.000	-0.000	-0.000	-0.000
100.0	0.0000	-0.000	-0.000	-0.000	-0.000

MIN 200 POINT 12 ALPHA		21.00 PSI		0.01 HEIGHT 87.80	
1/C	%	BP 2	BP 5	BP 12	BP 20
0.0	0.0000	-1.947	-1.923	-3.699	-3.200
2.5	0.0000	-1.247	-1.223	-2.399	-2.000
5.0	0.0000	-0.747	-0.723	-1.499	-1.200
10.0	0.0000	-0.447	-0.423	-0.899	-0.700
15.0	0.0000	-0.297	-0.273	-0.599	-0.400
20.0	0.0000	-0.197	-0.173	-0.399	-0.200
25.0	0.0000	-0.147	-0.123	-0.299	-0.100
30.0	0.0000	-0.107	-0.083	-0.199	-0.050
35.0	0.0000	-0.077	-0.053	-0.149	-0.030
40.0	0.0000	-0.057	-0.033	-0.109	-0.020
45.0	0.0000	-0.047	-0.023	-0.089	-0.010
50.0	0.0000	-0.037	-0.013	-0.069	-0.005
55.0	0.0000	-0.027	-0.008	-0.049	-0.002
60.0	0.0000	-0.017	-0.005	-0.039	-0.001
65.0	0.0000	-0.010	-0.002	-0.029	-0.000
70.0	0.0000	-0.006	-0.001	-0.019	-0.000
75.0	0.0000	-0.003	-0.000	-0.010	-0.000
80.0	0.0000	-0.002	-0.000	-0.005	-0.000
85.0	0.0000	-0.001	-0.000	-0.002	-0.000
90.0	0.0000	-0.000	-0.000	-0.001	-0.000
95.0	0.0000	-0.000	-0.000	-0.000	-0.000
100.0	0.0000	-0.000	-0.000	-0.000	-0.000

MINO PRESSURE COEFFICIENTS

NO. 346	POINT	4	ALPHA	4.00	PSI	0.00	HEIGHT	87.00
L/C	5	SP 2	SP 5	SP 12	SP 16	SP 22		
0.0	0.0	-0.002	-1.267	-2.147	-2.976	-2.821		
2.5	2.5	-1.021	-1.189	-1.404	-1.743	-2.376		
5.0	5.0	-0.726	-0.974	-1.149	-1.340	-1.476		
10.0	10.0	-0.000	-0.000	-0.000	-0.000	-1.113		
15.0	15.0	-0.027	-0.751	-0.827	-0.760	-0.607		
20.0	20.0	-0.312	-0.000	-0.000	-0.723	-0.000		
25.0	25.0	-0.375	-0.000	-0.000	-0.740	-0.000		
30.0	30.0	-0.190	-0.000	-0.000	-0.000	-1.101		
35.0	35.0	-0.119	-0.140	-1.000	-1.000	-2.007		
40.0	40.0	-0.000	-0.000	-0.000	-0.000	-0.000		
45.0	45.0	-0.000	-0.000	-0.000	-0.000	-0.000		
50.0	50.0	-0.000	-0.000	-0.000	-0.000	-0.000		
55.0	55.0	-0.000	-0.000	-0.000	-0.000	-0.000		
60.0	60.0	-0.000	-0.000	-0.000	-0.000	-0.000		
65.0	65.0	-0.000	-0.000	-0.000	-0.000	-0.000		
70.0	70.0	-0.000	-0.000	-0.000	-0.000	-0.000		
75.0	75.0	-0.000	-0.000	-0.000	-0.000	-0.000		
80.0	80.0	-0.000	-0.000	-0.000	-0.000	-0.000		
85.0	85.0	-0.000	-0.000	-0.000	-0.000	-0.000		
90.0	90.0	-0.000	-0.000	-0.000	-0.000	-0.000		
95.0	95.0	-0.000	-0.000	-0.000	-0.000	-0.000		
100.0	100.0	-0.000	-0.000	-0.000	-0.000	-0.000		

NO. 346	POINT	8	ALPHA	8.00	PSI	0.00	HEIGHT	88.20
L/C	5	SP 2	SP 5	SP 12	SP 16	SP 22		
0.0	0.0	-2.012	-3.945	-2.409	-2.121	-1.922		
2.5	2.5	-1.429	-2.174	-2.761	-2.794	-1.862		
5.0	5.0	-1.176	-1.524	-2.447	-2.790	-1.872		
10.0	10.0	-0.937	-1.036	-1.001	-1.000	-1.000		
15.0	15.0	-0.847	-1.036	-1.371	-1.232	-1.000		
20.0	20.0	-0.794	-0.934	-1.030	-1.014	-1.000		
25.0	25.0	-0.653	-0.660	-1.014	-0.972	-1.000		
30.0	30.0	-0.400	-1.002	-0.927	-1.000	-1.000		
35.0	35.0	-0.176	-2.932	-1.295	-1.115	-1.000		
40.0	40.0	-0.170	-4.478	-2.014	-2.002	-2.000		
45.0	45.0	-0.126	-0.000	-0.150	-0.130	-0.000		
50.0	50.0	-0.011	-0.000	-0.000	-0.000	-0.000		
55.0	55.0	-0.000	-0.000	-0.000	-0.017	-0.015		
60.0	60.0	-0.000	-0.000	-0.000	-0.156	-0.142		
65.0	65.0	-0.000	-0.000	-0.000	-0.217	-0.211		
70.0	70.0	-0.000	-0.000	-0.000	-0.253	-0.243		
75.0	75.0	-0.000	-0.000	-0.000	-0.259	-0.257		
80.0	80.0	-0.110	-2.008	-2.326	-1.991	-1.909		
85.0	85.0	-1.267	-1.004	-2.157	-1.891	-1.809		
90.0	90.0	-1.278	-1.264	-1.716	-1.708	-1.691		
100.0	100.0	-0.904	-0.079	-1.079	-1.049	-1.036		
2.5	2.5	-0.440	-0.472	-0.417	-0.408	-0.353		
5.0	5.0	-0.247	-0.299	-0.262	-0.278	-0.263		
10.0	10.0	-0.276	-0.299	-0.290	-0.278	-0.279		
15.0	15.0	-0.170	-0.141	-0.234	-0.236	-0.209		
20.0	20.0	-0.080	-0.117	-0.234	-0.236	-0.209		
25.0	25.0	-0.166	-0.290	-0.231	-0.231	-0.209		
30.0	30.0	-0.323	-0.375	-0.360	-0.334	-0.402		
35.0	35.0	-0.460	-0.449	-1.060	-0.924	-0.370		
40.0	40.0	-0.460	-0.441	-0.373	-0.373	-0.370		
45.0	45.0	-0.460	-0.441	-0.373	-0.373	-0.370		

MINO PRESSURE COEFFICIENTS

NO. 346	POINT	16	ALPHA	16.00	PSI	0.00	HEIGHT	89.20
L/C	5	SP 2	SP 5	SP 12	SP 16	SP 22		
0.0	0.0	-0.140	-3.913	-2.940	-2.070	-1.777		
2.5	2.5	-0.000	-2.472	-2.500	-2.110	-1.760		
5.0	5.0	-0.262	-2.260	-2.197	-2.107	-1.762		
10.0	10.0	-2.001	-2.370	-2.042	-2.000	-1.779		
15.0	15.0	-2.120	-2.142	-2.000	-2.000	-1.607		
20.0	20.0	-1.000	-2.100	-2.000	-1.970	-1.779		
25.0	25.0	-2.107	-2.011	-2.011	-2.011	-1.977		
30.0	30.0	-1.374	-1.000	-2.000	-2.000	-1.977		
35.0	35.0	-0.000	-2.100	-2.000	-2.000	-1.977		
40.0	40.0	-0.000	-2.100	-2.000	-2.000	-1.977		
45.0	45.0	-0.000	-2.100	-2.000	-2.000	-1.977		
50.0	50.0	-0.000	-2.100	-2.000	-2.000	-1.977		
55.0	55.0	-0.000	-2.100	-2.000	-2.000	-1.977		
60.0	60.0	-0.000	-2.100	-2.000	-2.000	-1.977		
65.0	65.0	-0.000	-2.100	-2.000	-2.000	-1.977		
70.0	70.0	-0.000	-2.100	-2.000	-2.000	-1.977		
75.0	75.0	-0.000	-2.100	-2.000	-2.000	-1.977		
80.0	80.0	-0.000	-2.100	-2.000	-2.000	-1.977		
85.0	85.0	-0.000	-2.100	-2.000	-2.000	-1.977		
90.0	90.0	-0.000	-2.100	-2.000	-2.000	-1.977		
95.0	95.0	-0.000	-2.100	-2.000	-2.000	-1.977		
100.0	100.0	-0.000	-2.100	-2.000	-2.000	-1.977		

NO. 346	POINT	2	ALPHA	2.00	PSI	0.00	HEIGHT	89.20
L/C	5	SP 2	SP 5	SP 12	SP 16	SP 22		
0.0	0.0	0.000	0.042	-0.299	-0.410	-0.370		
2.5	2.5	-0.490	-0.795	-0.937	-1.011	-1.000		
5.0	5.0	-0.437	-0.940	-0.940	-0.836	-0.910		
10.0	10.0	-0.433	-0.843	-0.746	-0.600	-0.600		
15.0	15.0	-0.400	-0.573	-0.716	-0.604	-0.725		
20.0	20.0	-0.404	-0.536	-0.640	-0.567	-0.567		
25.0	25.0	-0.300	-0.340	-0.600	-0.500	-0.532		
30.0	30.0	0.190	-0.030	-0.620	-1.037	-0.762		
35.0	35.0	-0.116	-0.010	-1.017	-0.900	-1.000		
40.0	40.0	-0.087	0.010	-1.970	-1.802	-2.107		
45.0	45.0	-0.237	-0.768	-0.104	20.546	16.776		
50.0	50.0	-0.290	-0.823	-0.24	-0.221	-0.636		
55.0	55.0	-0.261	-0.322	-0.106	-0.077	-0.077		
60.0	60.0	-1.162	-1.742	-0.932	-0.742	-0.181		
65.0	65.0	-0.717	-0.410	-1.004	-1.412	-0.075		
70.0	70.0	-2.000	-0.038	-1.940	-1.005	-2.800		
75.0	75.0	-1.134	-1.153	-1.940	-1.005	-2.305		
80.0	80.0	-1.250	-1.041	-1.411	-0.970	-0.647		
85.0	85.0	-0.832	-1.001	-1.553	-1.000	-1.018		
90.0	90.0	-0.402	0.172	-0.224	-0.200	-0.207		
95.0	95.0	-0.000	0.030	0.000	0.230	0.200		
100.0	100.0	-0.000	0.000	0.000	0.110	0.110		
		-0.007	-0.023	0.000	0.000	0.020		
		-0.000	-0.004	0.160	0.217	-0.200		
		-0.110	0.27	0.295	0.234	-1.400		
		-0.878	0.064	0.003	0.000	-0.064		
		-0.013	0.078	-1.000	0.520	0.434		
		-0.405	0.400	0.210	0.190	0.100		

WING PRESSURE COEFFICIENTS

WING POINT	2	ALPHA	-0.01	PSI	0.01	HEIGHT	87.30
L/C	3	BP 2	BP 3	BP 4	BP 5	BP 6	BP 7
0.0	-1.424	-1.268	-1.114	-0.958	-0.802	-0.646	-0.490
2.0	-0.828	-0.682	-0.536	-0.390	-0.244	-0.098	0.048
4.0	-0.396	-0.250	-0.104	0.042	0.188	0.334	0.480
6.0	-0.260	-0.114	0.032	0.178	0.324	0.470	0.616
8.0	-0.231	-0.085	0.061	0.207	0.353	0.499	0.645
10.0	-0.217	-0.070	0.076	0.222	0.368	0.514	0.660
12.0	-0.209	-0.062	0.084	0.230	0.376	0.522	0.668
14.0	-0.204	-0.057	0.089	0.235	0.381	0.527	0.673
16.0	-0.200	-0.053	0.093	0.239	0.385	0.531	0.677
18.0	-0.196	-0.049	0.097	0.243	0.389	0.535	0.681
20.0	-0.192	-0.045	0.101	0.247	0.393	0.539	0.685
22.0	-0.188	-0.041	0.105	0.251	0.397	0.543	0.689
24.0	-0.184	-0.037	0.109	0.255	0.401	0.547	0.693
26.0	-0.180	-0.033	0.113	0.259	0.405	0.551	0.697
28.0	-0.176	-0.029	0.117	0.263	0.409	0.555	0.701
30.0	-0.172	-0.025	0.121	0.267	0.413	0.559	0.705
32.0	-0.168	-0.021	0.125	0.271	0.417	0.563	0.709
34.0	-0.164	-0.017	0.129	0.275	0.421	0.567	0.713
36.0	-0.160	-0.013	0.133	0.279	0.425	0.571	0.717
38.0	-0.156	-0.009	0.137	0.283	0.429	0.575	0.721
40.0	-0.152	-0.005	0.141	0.287	0.433	0.579	0.725
42.0	-0.148	-0.001	0.145	0.291	0.437	0.583	0.729
44.0	-0.144	0.003	0.149	0.295	0.441	0.587	0.733
46.0	-0.140	0.007	0.153	0.299	0.445	0.591	0.737
48.0	-0.136	0.011	0.157	0.303	0.449	0.595	0.741
50.0	-0.132	0.015	0.161	0.307	0.453	0.599	0.745
52.0	-0.128	0.019	0.165	0.311	0.457	0.603	0.749
54.0	-0.124	0.023	0.169	0.315	0.461	0.607	0.753
56.0	-0.120	0.027	0.173	0.319	0.465	0.611	0.757
58.0	-0.116	0.031	0.177	0.323	0.469	0.615	0.761
60.0	-0.112	0.035	0.181	0.327	0.473	0.619	0.765
62.0	-0.108	0.039	0.185	0.331	0.477	0.623	0.769
64.0	-0.104	0.043	0.189	0.335	0.481	0.627	0.773
66.0	-0.100	0.047	0.193	0.339	0.485	0.631	0.777
68.0	-0.096	0.051	0.197	0.343	0.489	0.635	0.781
70.0	-0.092	0.055	0.201	0.347	0.493	0.639	0.785
72.0	-0.088	0.059	0.205	0.351	0.497	0.643	0.789
74.0	-0.084	0.063	0.209	0.355	0.501	0.647	0.793
76.0	-0.080	0.067	0.213	0.359	0.505	0.651	0.797
78.0	-0.076	0.071	0.217	0.363	0.509	0.655	0.801
80.0	-0.072	0.075	0.221	0.367	0.513	0.659	0.805
82.0	-0.068	0.079	0.225	0.371	0.517	0.663	0.809
84.0	-0.064	0.083	0.229	0.375	0.521	0.667	0.813
86.0	-0.060	0.087	0.233	0.379	0.525	0.671	0.817
88.0	-0.056	0.091	0.237	0.383	0.529	0.675	0.821
90.0	-0.052	0.095	0.241	0.387	0.533	0.679	0.825
92.0	-0.048	0.099	0.245	0.391	0.537	0.683	0.829
94.0	-0.044	0.103	0.249	0.395	0.541	0.687	0.833
96.0	-0.040	0.107	0.253	0.399	0.545	0.691	0.837
98.0	-0.036	0.111	0.257	0.403	0.549	0.695	0.841
100.0	-0.032	0.115	0.261	0.407	0.553	0.699	0.845

WING PRESSURE COEFFICIENTS

WING POINT	6	ALPHA	0.00	PSI	0.01	HEIGHT	87.70
L/C	3	BP 2	BP 3	BP 4	BP 5	BP 6	BP 7
0.0	-1.240	-1.084	-0.928	-0.772	-0.616	-0.460	-0.304
2.0	-0.644	-0.488	-0.332	-0.176	-0.020	0.136	0.292
4.0	-0.208	-0.052	0.104	0.260	0.416	0.572	0.728
6.0	-0.172	-0.016	0.140	0.296	0.452	0.608	0.764
8.0	-0.156	0.000	0.156	0.312	0.468	0.624	0.780
10.0	-0.140	0.016	0.172	0.328	0.484	0.640	0.796
12.0	-0.124	0.032	0.188	0.344	0.500	0.656	0.812
14.0	-0.108	0.048	0.204	0.360	0.516	0.672	0.828
16.0	-0.092	0.064	0.220	0.376	0.532	0.688	0.844
18.0	-0.076	0.080	0.236	0.392	0.548	0.704	0.860
20.0	-0.060	0.096	0.252	0.408	0.564	0.720	0.876
22.0	-0.044	0.112	0.268	0.424	0.580	0.736	0.892
24.0	-0.028	0.128	0.284	0.440	0.596	0.752	0.908
26.0	-0.012	0.144	0.300	0.456	0.612	0.768	0.924
28.0	0.004	0.160	0.316	0.472	0.628	0.784	0.940
30.0	0.020	0.176	0.332	0.488	0.644	0.800	0.956
32.0	0.036	0.192	0.348	0.504	0.660	0.816	0.972
34.0	0.052	0.208	0.364	0.520	0.676	0.832	0.988
36.0	0.068	0.224	0.380	0.536	0.692	0.848	1.004
38.0	0.084	0.240	0.396	0.552	0.708	0.864	1.020
40.0	0.100	0.256	0.412	0.568	0.724	0.880	1.036
42.0	0.116	0.272	0.428	0.584	0.740	0.896	1.052
44.0	0.132	0.288	0.444	0.600	0.756	0.912	1.068
46.0	0.148	0.304	0.460	0.616	0.772	0.928	1.084
48.0	0.164	0.320	0.476	0.632	0.788	0.944	1.100
50.0	0.180	0.336	0.492	0.648	0.804	0.960	1.116
52.0	0.196	0.352	0.508	0.664	0.820	0.976	1.132
54.0	0.212	0.368	0.524	0.680	0.836	0.992	1.148
56.0	0.228	0.384	0.540	0.696	0.852	1.008	1.164
58.0	0.244	0.400	0.556	0.712	0.868	1.024	1.180
60.0	0.260	0.416	0.572	0.728	0.884	1.040	1.196
62.0	0.276	0.432	0.588	0.744	0.900	1.056	1.212
64.0	0.292	0.448	0.604	0.760	0.916	1.072	1.228
66.0	0.308	0.464	0.620	0.776	0.932	1.088	1.244
68.0	0.324	0.480	0.636	0.792	0.948	1.104	1.260
70.0	0.340	0.496	0.652	0.808	0.964	1.120	1.276
72.0	0.356	0.512	0.668	0.824	0.980	1.136	1.292
74.0	0.372	0.528	0.684	0.840	0.996	1.152	1.308
76.0	0.388	0.544	0.700	0.856	1.012	1.168	1.324
78.0	0.404	0.560	0.716	0.872	1.028	1.184	1.340
80.0	0.420	0.576	0.732	0.888	1.044	1.200	1.356
82.0	0.436	0.592	0.748	0.904	1.060	1.216	1.372
84.0	0.452	0.608	0.764	0.920	1.076	1.232	1.388
86.0	0.468	0.624	0.780	0.936	1.092	1.248	1.404
88.0	0.484	0.640	0.796	0.952	1.108	1.264	1.420
90.0	0.500	0.656	0.812	0.968	1.124	1.280	1.436
92.0	0.516	0.672	0.828	0.984	1.140	1.296	1.452
94.0	0.532	0.688	0.844	1.000	1.156	1.312	1.468
96.0	0.548	0.704	0.860	1.016	1.172	1.328	1.484
98.0	0.564	0.720	0.876	1.032	1.188	1.344	1.500
100.0	0.580	0.736	0.892	1.048	1.204	1.360	1.516

WING PRESSURE COEFFICIENTS

L/C	3	BP 2	BP 3	BP 4	BP 5	BP 6	BP 7
0.0	-1.407	-1.251	-1.095	-0.939	-0.783	-0.627	-0.471
2.0	-0.811	-0.655	-0.500	-0.344	-0.188	-0.032	0.124
4.0	-0.375	-0.219	-0.063	0.093	0.249	0.405	0.561
6.0	-0.239	-0.083	0.073	0.229	0.385	0.541	0.697
8.0	-0.203	-0.047	0.109	0.265	0.421	0.577	0.733
10.0	-0.167	-0.011	0.145	0.301	0.457	0.613	0.769
12.0	-0.131	0.025	0.181	0.337	0.493	0.649	0.805
14.0	-0.095	0.061	0.217	0.373	0.529	0.685	0.841
16.0	-0.059	0.097	0.253	0.409	0.565	0.721	0.877
18.0	-0.023	0.133	0.289	0.445	0.601	0.757	0.913
20.0	0.013	0.169	0.325	0.481	0.637	0.793	0.949
22.0	0.049	0.205	0.361	0.517	0.673	0.829	0.985
24.0	0.085	0.241	0.397	0.553	0.709	0.865	1.021
26.0	0.121	0.277	0.433	0.589	0.745	0.901	1.057
28.0	0.157	0.313	0.469	0.625	0.781	0.937	1.093
30.0	0.193	0.349	0.505	0.661	0.817	0.973	1.129
32.0	0.229	0.385	0.541	0.697	0.853	1.009	1.165
34.0	0.265	0.421	0.577	0.733	0.889	1.045	1.201
36.0	0.301	0.457	0.613	0.769	0.925	1.081	1.237
38.0	0.337	0.493	0.649	0.805	0.961	1.117	1.273
40.0	0.373	0.529	0.685	0.841	0.997	1.153	1.309
42.0	0.409	0.565	0.721	0.877	1.033	1.189	1.345
44.0	0.445	0.601	0.757	0.913	1.069	1.225	1.381
46.0	0.481	0.637	0.793	0.949	1.105	1.261	1.417
48.0	0.517	0.673	0.829	0.985	1.141	1.297	1.453
50.0	0.553	0.709	0.865	1.021	1.177	1.333	1.489
52.0	0.589	0.745	0.901	1.057	1.213	1.369	1.525
54.0	0.625	0.781	0.937	1.093	1.249	1.405	1.561
56.0	0.661	0.817	0.973	1.129	1.285	1.441	1.597
58.0	0.697	0.853	1.009	1.165	1.321	1.477	1.633
60.0	0.733	0.889	1.045	1.201	1.357	1.513	1.669
62.0	0.769	0.925	1.081	1.237	1.393	1.549	1.705
64.0	0.805	0.961	1.117	1.273	1.429	1.585	1.741
66.0	0.841	0.997	1.153	1.309	1.465	1.621	1.777
68.0	0.877	1.033	1.189	1.345	1.501	1.657	1.813
70.0	0.913	1.069	1.225	1.381	1.537	1.693	1.849
72.0	0.949	1.105	1.261	1.417	1.573	1.729	1.885
74.0	0.985	1.141	1.297	1.453	1.609	1.765	1.921
76.0	1.021	1.177	1.333	1.489	1.645	1.801	1.957
78.0	1.057	1.213	1.369	1.525	1.681	1.837	1.993
80.0	1.093	1.249	1.405	1.561	1.717	1.873	2.029
82.0	1.129	1.285	1.441	1.597	1.753	1.909	2.065
84.0	1.165	1.321	1.477	1.633	1.789	1.945	2.101
86.0	1.201	1.357	1.513	1.669	1.825	1.981	2.137
88.0	1.237	1.393	1.549	1.705	1.861	2.017	2.173
90.0	1.273	1.429	1.585	1.741	1.897	2.053	2.209

MING PRESSURE COEFFICIENTS

MIN 316 POINT 10 ALPHA 22.01 PSI	0.01 HEIGHT 00.20	0.01 HEIGHT 07.70	0.01 HEIGHT 07.70
L/C %	DP 2	DP 6	DP 12
0.0	-1.100	-1.000	-1.000
2.5	-1.100	-1.000	-1.000
5.0	-1.100	-1.000	-1.000
10.0	-1.100	-1.000	-1.000
15.0	-1.100	-1.000	-1.000
20.0	-1.100	-1.000	-1.000
25.0	-1.100	-1.000	-1.000
30.0	-1.100	-1.000	-1.000
35.0	-1.100	-1.000	-1.000
40.0	-1.100	-1.000	-1.000
45.0	-1.100	-1.000	-1.000
50.0	-1.100	-1.000	-1.000
55.0	-1.100	-1.000	-1.000
60.0	-1.100	-1.000	-1.000
65.0	-1.100	-1.000	-1.000
70.0	-1.100	-1.000	-1.000
75.0	-1.100	-1.000	-1.000
80.0	-1.100	-1.000	-1.000
85.0	-1.100	-1.000	-1.000
90.0	-1.100	-1.000	-1.000
95.0	-1.100	-1.000	-1.000
100.0	-1.100	-1.000	-1.000

MING PRESSURE COEFFICIENTS

MIN 317 POINT 4 ALPHA 0.00 PSI	0.00 PSI	0.01 HEIGHT 00.00	0.01 HEIGHT 07.63
L/C %	DP 2	DP 6	DP 12
0.0	-0.000	-0.000	-0.000
2.5	-0.000	-0.000	-0.000
5.0	-0.000	-0.000	-0.000
10.0	-0.000	-0.000	-0.000
15.0	-0.000	-0.000	-0.000
20.0	-0.000	-0.000	-0.000
25.0	-0.000	-0.000	-0.000
30.0	-0.000	-0.000	-0.000
35.0	-0.000	-0.000	-0.000
40.0	-0.000	-0.000	-0.000
45.0	-0.000	-0.000	-0.000
50.0	-0.000	-0.000	-0.000
55.0	-0.000	-0.000	-0.000
60.0	-0.000	-0.000	-0.000
65.0	-0.000	-0.000	-0.000
70.0	-0.000	-0.000	-0.000
75.0	-0.000	-0.000	-0.000
80.0	-0.000	-0.000	-0.000
85.0	-0.000	-0.000	-0.000
90.0	-0.000	-0.000	-0.000
95.0	-0.000	-0.000	-0.000
100.0	-0.000	-0.000	-0.000

MING PRESSURE COEFFICIENTS

MIN 319 POINT 3 ALPHA 0.00 PSI	0.01 HEIGHT 07.70	0.01 HEIGHT 07.70	0.01 HEIGHT 07.70
L/C %	DP 2	DP 6	DP 12
0.0	-0.000	-0.000	-0.000
2.5	-0.000	-0.000	-0.000
5.0	-0.000	-0.000	-0.000
10.0	-0.000	-0.000	-0.000
15.0	-0.000	-0.000	-0.000
20.0	-0.000	-0.000	-0.000
25.0	-0.000	-0.000	-0.000
30.0	-0.000	-0.000	-0.000
35.0	-0.000	-0.000	-0.000
40.0	-0.000	-0.000	-0.000
45.0	-0.000	-0.000	-0.000
50.0	-0.000	-0.000	-0.000
55.0	-0.000	-0.000	-0.000
60.0	-0.000	-0.000	-0.000
65.0	-0.000	-0.000	-0.000
70.0	-0.000	-0.000	-0.000
75.0	-0.000	-0.000	-0.000
80.0	-0.000	-0.000	-0.000
85.0	-0.000	-0.000	-0.000
90.0	-0.000	-0.000	-0.000
95.0	-0.000	-0.000	-0.000
100.0	-0.000	-0.000	-0.000

MING PRESSURE COEFFICIENTS

MIN 317 POINT 0 ALPHA 0.00 PSI	0.00 PSI	0.01 HEIGHT 07.63	0.01 HEIGHT 07.63
L/C %	DP 2	DP 6	DP 12
0.0	-0.000	-0.000	-0.000
2.5	-0.000	-0.000	-0.000
5.0	-0.000	-0.000	-0.000
10.0	-0.000	-0.000	-0.000
15.0	-0.000	-0.000	-0.000
20.0	-0.000	-0.000	-0.000
25.0	-0.000	-0.000	-0.000
30.0	-0.000	-0.000	-0.000
35.0	-0.000	-0.000	-0.000
40.0	-0.000	-0.000	-0.000
45.0	-0.000	-0.000	-0.000
50.0	-0.000	-0.000	-0.000
55.0	-0.000	-0.000	-0.000
60.0	-0.000	-0.000	-0.000
65.0	-0.000	-0.000	-0.000
70.0	-0.000	-0.000	-0.000
75.0	-0.000	-0.000	-0.000
80.0	-0.000	-0.000	-0.000
85.0	-0.000	-0.000	-0.000
90.0	-0.000	-0.000	-0.000
95.0	-0.000	-0.000	-0.000
100.0	-0.000	-0.000	-0.000

WIND PRESSURE COEFFICIENTS

WIND 317 POINT 7 ALPHA 10.07 PSI	0.01 HEIGHT 05.00	BP 2	BP 6	BP 12	BP 16	BP 22
K/C %						
0.0 (HAPPEL)	-0.011	-0.003	-0.012	-1.046	-1.267	
2.5	0.040	0.103	-1.112	-1.076	-1.436	
5.0	0.060	0.100	-1.223	-0.957	-1.112	
10.0	0.071	0.060	-1.241	-0.869	-0.757	
15.0	0.076	0.040	-1.241	-0.841	-0.733	
20.0	0.079	0.037	-1.241	-0.841	-0.732	
25.0	0.084	0.036	-1.241	-0.841	-0.732	
30.0	0.087	0.036	-1.241	-0.841	-0.732	
35.0	0.089	0.036	-1.241	-0.841	-0.732	
40.0	0.091	0.036	-1.241	-0.841	-0.732	
45.0	0.092	0.036	-1.241	-0.841	-0.732	
50.0	0.093	0.036	-1.241	-0.841	-0.732	
55.0	0.094	0.036	-1.241	-0.841	-0.732	
60.0	0.095	0.036	-1.241	-0.841	-0.732	
65.0	0.096	0.036	-1.241	-0.841	-0.732	
70.0	0.097	0.036	-1.241	-0.841	-0.732	
75.0	0.098	0.036	-1.241	-0.841	-0.732	
80.0	0.099	0.036	-1.241	-0.841	-0.732	
85.0	0.100	0.036	-1.241	-0.841	-0.732	
90.0	0.101	0.036	-1.241	-0.841	-0.732	
95.0	0.102	0.036	-1.241	-0.841	-0.732	
100.0	0.103	0.036	-1.241	-0.841	-0.732	

WIND PRESSURE COEFFICIENTS

WIND 318 POINT 2 ALPHA 0.02 PSI	0.01 HEIGHT 07.50	BP 2	BP 6	BP 12	BP 16	BP 22
K/C %						
0.0 (HAPPEL)	-0.012	-0.007	-0.007	-0.007	-0.007	-0.007
2.5	0.000	0.000	-0.007	-0.007	-0.007	-0.007
5.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
10.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
15.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
20.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
25.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
30.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
35.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
40.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
45.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
50.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
55.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
60.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
65.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
70.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
75.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
80.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
85.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
90.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
95.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007
100.0	0.000	0.000	-0.007	-0.007	-0.007	-0.007

WIND 317 POINT 10 ALPHA 22.04 PSI

0.01 HEIGHT 07.42	BP 2	BP 6	BP 12	BP 16	BP 22
K/C %					
0.0 (HAPPEL)	-1.000	-0.020	-1.267	-1.767	-2.013
2.5	0.030	-0.330	-1.263	-1.646	-2.246
5.0	0.063	-0.309	-1.317	-1.500	-2.047
10.0	0.081	-0.300	-1.381	-1.348	-1.820
15.0	0.097	-0.289	-1.372	-1.260	-1.680
20.0	0.106	-0.278	-1.360	-1.181	-1.567
25.0	0.110	-0.270	-1.350	-1.111	-1.462
30.0	0.107	-0.262	-1.341	-1.042	-1.362
35.0	0.104	-0.255	-1.332	-0.973	-1.262
40.0	0.101	-0.248	-1.323	-0.904	-1.162
45.0	0.098	-0.241	-1.314	-0.835	-1.062
50.0	0.095	-0.234	-1.305	-0.766	-0.962
55.0	0.092	-0.227	-1.296	-0.697	-0.862
60.0	0.089	-0.220	-1.287	-0.628	-0.762
65.0	0.086	-0.213	-1.278	-0.559	-0.662
70.0	0.083	-0.206	-1.269	-0.490	-0.562
75.0	0.080	-0.199	-1.260	-0.421	-0.462
80.0	0.077	-0.192	-1.251	-0.352	-0.362
85.0	0.074	-0.185	-1.242	-0.283	-0.262
90.0	0.071	-0.178	-1.233	-0.214	-0.162
95.0	0.068	-0.171	-1.224	-0.145	-0.062
100.0	0.065	-0.164	-1.215	-0.076	0.038

WIND 318 POINT 4 ALPHA 4.00 PSI

0.01 HEIGHT 07.70	BP 2	BP 6	BP 12	BP 16	BP 22
K/C %					
0.0 (HAPPEL)	-0.700	-0.633	-0.612	-0.587	-0.561
2.5	0.754	0.515	-0.523	-0.442	-0.361
5.0	0.722	0.513	-0.486	-0.455	-0.370
10.0	0.618	0.377	-0.400	-0.400	-0.370
15.0	0.523	0.253	-0.355	-0.355	-0.355
20.0	0.452	0.163	-0.323	-0.323	-0.323
25.0	0.391	0.096	-0.317	-0.317	-0.317
30.0	0.332	0.051	-0.312	-0.312	-0.312
35.0	0.281	0.017	-0.307	-0.307	-0.307
40.0	0.230	0.000	-0.302	-0.302	-0.302
45.0	0.189	0.000	-0.297	-0.297	-0.297
50.0	0.148	0.000	-0.292	-0.292	-0.292
55.0	0.107	0.000	-0.287	-0.287	-0.287
60.0	0.066	0.000	-0.282	-0.282	-0.282
65.0	0.025	0.000	-0.277	-0.277	-0.277
70.0	0.000	0.000	-0.272	-0.272	-0.272
75.0	0.000	0.000	-0.267	-0.267	-0.267
80.0	0.000	0.000	-0.262	-0.262	-0.262
85.0	0.000	0.000	-0.257	-0.257	-0.257
90.0	0.000	0.000	-0.252	-0.252	-0.252
95.0	0.000	0.000	-0.247	-0.247	-0.247
100.0	0.000	0.000	-0.242	-0.242	-0.242

MINE PRESSURE COEFFICIENTS

MINE 310 POINT 6 ALPHA		8.01 PSI		0.01 HEIGHT 84.34	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0	NUPPER	-0.793	-0.547	-0.870	-0.476
2.5		0.716	0.347	-0.824	-0.811
5.0		0.376	0.391	-1.040	-0.810
10.0		0.374	0.346	-1.117	-0.786
15.0		0.326	0.128	-1.115	-0.776
20.0		0.133	0.116	-1.031	-0.551
24.0		-0.031	0.126	-0.835	-0.537
32.0		-0.042	-0.714	-0.714	-0.543
40.0		-0.075	-1.045	-0.701	-0.687
48.0		-0.075	-1.045	-0.701	-0.687
56.0		-0.075	-1.045	-0.701	-0.687
64.0		-0.075	-1.045	-0.701	-0.687
72.0		-0.075	-1.045	-0.701	-0.687
80.0		-0.075	-1.045	-0.701	-0.687
88.0		-0.075	-1.045	-0.701	-0.687
96.0		-0.075	-1.045	-0.701	-0.687
100.0		-0.075	-1.045	-0.701	-0.687
2.5	(ONE IN)	-0.545	-0.601	-0.702	-0.814
5.0		-0.545	-0.601	-0.702	-0.814
10.0		-0.545	-0.601	-0.702	-0.814
15.0		-0.545	-0.601	-0.702	-0.814
20.0		-0.545	-0.601	-0.702	-0.814
24.0		-0.545	-0.601	-0.702	-0.814
28.0		-0.545	-0.601	-0.702	-0.814
32.0		-0.545	-0.601	-0.702	-0.814
36.0		-0.545	-0.601	-0.702	-0.814
40.0		-0.545	-0.601	-0.702	-0.814
44.0		-0.545	-0.601	-0.702	-0.814
48.0		-0.545	-0.601	-0.702	-0.814
52.0		-0.545	-0.601	-0.702	-0.814
56.0		-0.545	-0.601	-0.702	-0.814
60.0		-0.545	-0.601	-0.702	-0.814
64.0		-0.545	-0.601	-0.702	-0.814
68.0		-0.545	-0.601	-0.702	-0.814
72.0		-0.545	-0.601	-0.702	-0.814
76.0		-0.545	-0.601	-0.702	-0.814
80.0		-0.545	-0.601	-0.702	-0.814
84.0		-0.545	-0.601	-0.702	-0.814
88.0		-0.545	-0.601	-0.702	-0.814
92.0		-0.545	-0.601	-0.702	-0.814
96.0		-0.545	-0.601	-0.702	-0.814
100.0		-0.545	-0.601	-0.702	-0.814

MINE PRESSURE COEFFICIENTS

MINE 310 POINT 6 ALPHA		10.00 PSI		0.01 HEIGHT 87.50	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0	NUPPER	-0.524	-0.260	-1.453	-2.107
2.5		0.582	0.046	-1.183	-2.127
5.0		0.462	-0.043	-1.180	-2.462
10.0		0.231	0.217	-1.275	-1.560
15.0		0.076	0.366	-1.385	-1.255
20.0		-0.114	-0.441	-1.422	-1.222
24.0		-0.435	-0.512	-1.435	-1.183
28.0		-0.567	-0.860	-1.371	-1.047
32.0		-0.571	-0.860	-1.371	-1.047
36.0		-0.571	-0.860	-1.371	-1.047
40.0		-0.571	-0.860	-1.371	-1.047
44.0		-0.571	-0.860	-1.371	-1.047
48.0		-0.571	-0.860	-1.371	-1.047
52.0		-0.571	-0.860	-1.371	-1.047
56.0		-0.571	-0.860	-1.371	-1.047
60.0		-0.571	-0.860	-1.371	-1.047
64.0		-0.571	-0.860	-1.371	-1.047
68.0		-0.571	-0.860	-1.371	-1.047
72.0		-0.571	-0.860	-1.371	-1.047
76.0		-0.571	-0.860	-1.371	-1.047
80.0		-0.571	-0.860	-1.371	-1.047
84.0		-0.571	-0.860	-1.371	-1.047
88.0		-0.571	-0.860	-1.371	-1.047
92.0		-0.571	-0.860	-1.371	-1.047
96.0		-0.571	-0.860	-1.371	-1.047
100.0		-0.571	-0.860	-1.371	-1.047
2.5	(ONE IN)	-0.275	-0.316	-0.280	-0.087
5.0		-0.284	-0.316	-0.280	-0.087
10.0		-0.284	-0.316	-0.280	-0.087
15.0		-0.284	-0.316	-0.280	-0.087
20.0		-0.284	-0.316	-0.280	-0.087
24.0		-0.284	-0.316	-0.280	-0.087
28.0		-0.284	-0.316	-0.280	-0.087
32.0		-0.284	-0.316	-0.280	-0.087
36.0		-0.284	-0.316	-0.280	-0.087
40.0		-0.284	-0.316	-0.280	-0.087
44.0		-0.284	-0.316	-0.280	-0.087
48.0		-0.284	-0.316	-0.280	-0.087
52.0		-0.284	-0.316	-0.280	-0.087
56.0		-0.284	-0.316	-0.280	-0.087
60.0		-0.284	-0.316	-0.280	-0.087
64.0		-0.284	-0.316	-0.280	-0.087
68.0		-0.284	-0.316	-0.280	-0.087
72.0		-0.284	-0.316	-0.280	-0.087
76.0		-0.284	-0.316	-0.280	-0.087
80.0		-0.284	-0.316	-0.280	-0.087
84.0		-0.284	-0.316	-0.280	-0.087
88.0		-0.284	-0.316	-0.280	-0.087
92.0		-0.284	-0.316	-0.280	-0.087
96.0		-0.284	-0.316	-0.280	-0.087
100.0		-0.284	-0.316	-0.280	-0.087

MINE 310 POINT 7 ALPHA		12.07 PSI		0.01 HEIGHT 87.07	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0	NUPPER	-0.752	-0.526	-1.045	-2.320
2.5		0.647	0.150	-1.287	-1.582
5.0		0.640	0.124	-1.221	-1.246
10.0		0.375	0.030	-1.205	-1.022
15.0		0.317	-0.067	-1.422	-0.844
20.0		0.090	-0.185	-1.372	-0.837
24.0		-0.119	-0.280	-1.301	-0.840
28.0		-0.262	-0.423	-1.055	-0.660
32.0		-0.164	-1.040	-1.275	-0.701
36.0		-0.164	-1.040	-1.275	-0.701
40.0		-0.164	-1.040	-1.275	-0.701
44.0		-0.164	-1.040	-1.275	-0.701
48.0		-0.164	-1.040	-1.275	-0.701
52.0		-0.164	-1.040	-1.275	-0.701
56.0		-0.164	-1.040	-1.275	-0.701
60.0		-0.164	-1.040	-1.275	-0.701
64.0		-0.164	-1.040	-1.275	-0.701
68.0		-0.164	-1.040	-1.275	-0.701
72.0		-0.164	-1.040	-1.275	-0.701
76.0		-0.164	-1.040	-1.275	-0.701
80.0		-0.164	-1.040	-1.275	-0.701
84.0		-0.164	-1.040	-1.275	-0.701
88.0		-0.164	-1.040	-1.275	-0.701
92.0		-0.164	-1.040	-1.275	-0.701
96.0		-0.164	-1.040	-1.275	-0.701
100.0		-0.164	-1.040	-1.275	-0.701
2.5	(ONE IN)	-0.554	-0.547	-0.708	-0.822
5.0		-0.554	-0.547	-0.708	-0.822
10.0		-0.554	-0.547	-0.708	-0.822
15.0		-0.554	-0.547	-0.708	-0.822
20.0		-0.554	-0.547	-0.708	-0.822
24.0		-0.554	-0.547	-0.708	-0.822
28.0		-0.554	-0.547	-0.708	-0.822
32.0		-0.554	-0.547	-0.708	-0.822
36.0		-0.554	-0.547	-0.708	-0.822
40.0		-0.554	-0.547	-0.708	-0.822
44.0		-0.554	-0.547	-0.708	-0.822
48.0		-0.554	-0.547	-0.708	-0.822
52.0		-0.554	-0.547	-0.708	-0.822
56.0		-0.554	-0.547	-0.708	-0.822
60.0		-0.554	-0.547	-0.708	-0.822
64.0		-0.554	-0.547	-0.708	-0.822
68.0		-0.554	-0.547	-0.708	-0.822
72.0		-0.554	-0.547	-0.708	-0.822
76.0		-0.554	-0.547	-0.708	-0.822
80.0		-0.554	-0.547	-0.708	-0.822
84.0		-0.554	-0.547	-0.708	-0.822
88.0		-0.554	-0.547	-0.708	-0.822
92.0		-0.554	-0.547	-0.708	-0.822
96.0		-0.554	-0.547	-0.708	-0.822
100.0		-0.554	-0.547	-0.708	-0.822

MINE 310 POINT 10 ALPHA		22.00 PSI		0.01 HEIGHT 85.70	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0	NUPPER	-1.011	-0.376	-3.500	-0.172
2.5		0.470	-0.181	-1.073	-0.180
5.0		0.318	-0.385	-1.281	-2.984
10.0		0.001	-0.554	-1.250	-2.372
15.0		-0.180	-0.805	-1.280	-1.045
20.0		-0.382	-0.777	-1.284	-1.110
24.0		-0.710	-0.840	-1.340	-1.230
28.0		-0.341	-0.903	-1.420	-1.513
32.0		-0.341	-0.903	-1.420	-1.513
36.0		-0.341	-0.903	-1.420	-1.513
40.0		-0.341	-0.903	-1.420	-1.513
44.0		-0.341	-0.903	-1.420	-1.513
48.0		-0.341	-0.903	-1.420	-1.513
52.0		-0.341	-0.903	-1.420	-1.513
56.0		-0.341	-0.903	-1.420	-1.513
60.0		-0.341	-0.903	-1.420	-1.513
64.0		-0.341	-0.903	-1.420	-1.513
68.0		-0.341	-0.903	-1.420	-1.513
72.0		-0.341	-0.903	-1.420	-1.513
76.0		-0.341	-0.903	-1.420	-1.513
80.0		-0.341	-0.903	-1.420	-1.513
84.0		-0.341	-0.903	-1.420	-1.513
88.0		-0.341	-0.903	-1.420	-1.513
92.0		-0.341	-0.903	-1.420	-1.513
96.0		-0.341	-0.903	-1.420	-1.513
100.0		-0.341	-0.903	-1.420	-1.513
2.5	(ONE IN)	-0.750	-0.432	-0.463	-0.500
5.0		-0.750	-0.432	-0.463	-0.500
10.0		-0.750	-0.432	-0.463	-0.500
15.0		-0.750	-0.432	-0.463	-0.500
20.0		-0.750	-0.432	-0.463	-0.500
24.0		-0.750	-0.432	-0.463	-0.500
28.0		-0.750	-0.432	-0.463	-0.500
32.0		-0.750	-0.432	-0.463	-0.500
36.0		-0.750	-0.432	-0.463	-0.500
40.0		-0.750	-0.432	-0.463	-0.500
44.0		-0.750	-0.432	-0.463	-0.500
48.0		-0.750	-0.432	-0.463	-0.500
52.0		-0.750	-0.432	-0.463	-0.500
56.0		-0.750	-0.432	-0.463	-0.500
60.0		-0.750	-0.432	-0.463	-0.500
64.0		-0.750	-0.432	-0.463	-0.500
68.0		-0.750	-0.432	-0.463	-0.500
72.0		-0.750	-0.432	-0.463	-0.500
76.0		-0.750	-0.432	-0.463	-0.500
80.0		-0.750	-0.432	-0.463	-0.500
84.0		-0.750	-0.432	-0.463	-0.500
88.0		-0.750	-0.432	-0.463	-0.500
92.0		-0.750	-0.432	-0.463	-0.500
96.0		-0.750	-0.432	-0.463	-0.500

MINI PRESSURE COEFFICIENTS

ROW 320 POINT 3 ALPHA -0.01 PSI 0.00 HEIGHT 18.32

X/C, %	BP 2	BP 3	BP 12	BP 16	BP 22
0.0 (UPPER)	0.926	0.377	0.223	-0.007	0.019
2.5	-0.187	-0.278	-0.357	-0.457	-0.522
5.0	-0.236	-0.366	-0.416	-0.484	-0.543
10.0	-0.285	-0.437	-0.522	-0.616	-0.673
15.0	-0.352	-0.509	-0.600	-0.700	-0.758
20.0	-0.394	-0.571	-0.674	-0.784	-0.842
25.0	-0.423	-0.623	-0.736	-0.844	-0.900
30.0	-0.446	-0.670	-0.790	-0.900	-0.958
35.0	-0.463	-0.710	-0.840	-0.950	-1.016
40.0	-0.476	-0.746	-0.886	-0.996	-1.070
45.0	-0.484	-0.779	-0.927	-1.037	-1.120
50.0	-0.488	-0.809	-0.964	-1.074	-1.166
55.0	-0.489	-0.836	-0.996	-1.106	-1.208
60.0	-0.488	-0.860	-1.024	-1.134	-1.246
65.0	-0.484	-0.881	-1.048	-1.158	-1.280
70.0	-0.476	-0.899	-1.068	-1.178	-1.309
75.0	-0.463	-0.914	-1.084	-1.194	-1.334
80.0	-0.446	-0.926	-1.096	-1.206	-1.356
85.0	-0.423	-0.936	-1.106	-1.216	-1.376
90.0	-0.394	-0.944	-1.114	-1.224	-1.394
95.0	-0.352	-0.950	-1.120	-1.230	-1.408
100.0	-0.300	-0.954	-1.124	-1.234	-1.418

ROW 320 POINT 3 ALPHA -0.01 PSI 0.00 HEIGHT 18.32

X/C, %	BP 2	BP 3	BP 12	BP 16	BP 22
0.0 (UPPER)	0.951	0.388	0.202	-0.036	0.005
2.5	-0.222	-0.287	-0.415	-0.484	-0.554
5.0	-0.264	-0.317	-0.446	-0.516	-0.572
10.0	-0.316	-0.360	-0.490	-0.560	-0.620
15.0	-0.354	-0.394	-0.524	-0.594	-0.654
20.0	-0.388	-0.428	-0.558	-0.628	-0.688
25.0	-0.416	-0.456	-0.586	-0.656	-0.716
30.0	-0.440	-0.480	-0.610	-0.680	-0.740
35.0	-0.460	-0.500	-0.630	-0.700	-0.760
40.0	-0.476	-0.516	-0.646	-0.716	-0.776
45.0	-0.488	-0.528	-0.658	-0.728	-0.788
50.0	-0.496	-0.536	-0.666	-0.736	-0.796
55.0	-0.500	-0.540	-0.670	-0.740	-0.800
60.0	-0.500	-0.540	-0.670	-0.740	-0.800
65.0	-0.496	-0.536	-0.666	-0.736	-0.796
70.0	-0.488	-0.528	-0.658	-0.728	-0.788
75.0	-0.476	-0.516	-0.646	-0.716	-0.776
80.0	-0.460	-0.500	-0.630	-0.700	-0.760
85.0	-0.440	-0.480	-0.610	-0.680	-0.740
90.0	-0.416	-0.456	-0.586	-0.656	-0.716
95.0	-0.388	-0.428	-0.558	-0.628	-0.688
100.0	-0.354	-0.394	-0.524	-0.594	-0.654

MINI PRESSURE COEFFICIENTS

ROW 320 POINT 4 ALPHA -0.03 PSI 0.00 HEIGHT 32.32

X/C, %	BP 2	BP 3	BP 12	BP 16	BP 22
0.0 (UPPER)	0.937	0.428	0.321	0.134	0.210
2.5	-0.156	-0.225	-0.310	-0.385	-0.412
5.0	-0.210	-0.274	-0.370	-0.455	-0.482
10.0	-0.264	-0.328	-0.424	-0.509	-0.536
15.0	-0.316	-0.380	-0.476	-0.561	-0.588
20.0	-0.360	-0.434	-0.524	-0.609	-0.636
25.0	-0.396	-0.478	-0.568	-0.653	-0.680
30.0	-0.424	-0.516	-0.600	-0.685	-0.712
35.0	-0.446	-0.548	-0.628	-0.717	-0.744
40.0	-0.460	-0.572	-0.652	-0.741	-0.768
45.0	-0.468	-0.584	-0.664	-0.753	-0.780
50.0	-0.472	-0.592	-0.672	-0.760	-0.788
55.0	-0.472	-0.592	-0.672	-0.760	-0.788
60.0	-0.468	-0.584	-0.664	-0.753	-0.780
65.0	-0.460	-0.572	-0.652	-0.741	-0.768
70.0	-0.446	-0.548	-0.628	-0.717	-0.744
75.0	-0.424	-0.516	-0.600	-0.685	-0.712
80.0	-0.396	-0.478	-0.568	-0.653	-0.680
85.0	-0.360	-0.434	-0.524	-0.609	-0.636
90.0	-0.316	-0.380	-0.476	-0.561	-0.588
95.0	-0.264	-0.328	-0.424	-0.509	-0.536
100.0	-0.210	-0.274	-0.370	-0.455	-0.482

ROW 320 POINT 5 ALPHA -0.04 PSI 0.00 HEIGHT 65.61

X/C, %	BP 2	BP 3	BP 12	BP 16	BP 22
0.0 (UPPER)	0.822	0.478	0.406	0.149	0.281
2.5	-0.156	-0.245	-0.340	-0.425	-0.452
5.0	-0.210	-0.285	-0.370	-0.455	-0.482
10.0	-0.264	-0.339	-0.424	-0.509	-0.536
15.0	-0.316	-0.393	-0.476	-0.561	-0.588
20.0	-0.360	-0.447	-0.524	-0.609	-0.636
25.0	-0.396	-0.491	-0.568	-0.653	-0.680
30.0	-0.424	-0.515	-0.600	-0.685	-0.712
35.0	-0.446	-0.539	-0.628	-0.717	-0.744
40.0	-0.460	-0.563	-0.652	-0.741	-0.768
45.0	-0.468	-0.575	-0.664	-0.753	-0.780
50.0	-0.472	-0.583	-0.672	-0.760	-0.788
55.0	-0.472	-0.583	-0.672	-0.760	-0.788
60.0	-0.468	-0.575	-0.664	-0.753	-0.780
65.0	-0.460	-0.563	-0.652	-0.741	-0.768
70.0	-0.446	-0.539	-0.628	-0.717	-0.744
75.0	-0.424	-0.515	-0.600	-0.685	-0.712
80.0	-0.396	-0.478	-0.568	-0.653	-0.680
85.0	-0.360	-0.434	-0.524	-0.609	-0.636
90.0	-0.316	-0.380	-0.476	-0.561	-0.588
95.0	-0.264	-0.328	-0.424	-0.509	-0.536
100.0	-0.210	-0.274	-0.370	-0.455	-0.482

WING PRESSURE COEFFICIENTS

WING 320 POINT 8 ALPHA -0.07 PSI 0.00 HEIGHT 87.00

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	0.040	0.490	0.441	0.172	0.267
2.5	-0.130	-0.145	-0.199	-0.262	-0.332
5.0	-0.233	-0.235	-0.221	-0.212	-0.192
10.0	-0.257	-0.149	-0.262	-0.371	-0.475
15.0	-0.257	-0.303	-0.184	-0.240	-0.171
20.0	-0.352	-0.260	-0.197	-0.310	-0.341
25.0	-0.205	-0.270	-0.252	-0.342	-0.295
30.0	-0.312	-0.314	-0.344	-0.872	-0.255
35.0	-0.199	-0.328	-0.511	-0.399	-0.168
40.0	-0.154	-0.095	-1.030	-0.851	-0.558
45.0	-0.404	-0.464	-1.402	-0.537	-0.867
50.0	-0.607	-0.812	-0.281	-1.416	-0.274
55.0	-0.897	-1.226	-1.257	-1.110	-1.480
60.0	-1.068	-0.265	-0.260	-0.868	-1.131
65.0	-0.481	-0.948	-0.603	-1.135	-0.878
70.0	-0.391	-0.866	-0.578	-0.807	-0.754
75.0	-0.315	-0.497	-0.335	-0.612	-0.651
80.0	-0.495	-0.531	-0.595	-0.765	-0.833
85.0	-0.400	-0.443	-0.728	-0.857	-0.959
90.0	-0.370	-0.443	-0.557	-0.556	-0.773
95.0	-0.640	-0.112	0.060	-0.021	0.140
100.0	-0.040	0.130	0.118	0.023	0.038
2.5 (LOWER)	0.040	0.130	0.040	0.123	0.062
5.0	0.110	0.130	0.054	-0.105	0.039
10.0	0.040	0.078	0.054	-0.165	0.039
15.0	0.075	0.071	0.062	0.091	0.031
20.0	0.245	0.170	0.237	0.143	-0.034
25.0	-0.802	0.468	0.505	0.188	0.432
30.0	-0.516	0.509	-0.744	0.665	0.599
35.0	0.551	0.401	0.360	0.298	0.240

WING PRESSURE COEFFICIENTS

WING 321 POINT 2 ALPHA 0.04 PSI -5.00 HEIGHT 85.00

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.371	-2.420	-2.345	-2.562	-1.401
2.5	-1.028	-1.538	-1.764	-1.858	-1.108
5.0	-0.875	-0.872	-1.373	-1.854	-0.896
10.0	-0.891	-0.854	-0.910	-1.916	-1.187
15.0	-0.805	-0.805	-0.910	-1.223	-0.841
20.0	-0.819	-0.458	-0.518	-0.737	-0.908
25.0	-0.455	-0.491	-0.466	-0.466	-0.825
30.0	-0.353	-0.375	-0.471	-0.968	-0.831
35.0	-0.165	-0.422	-0.566	-0.400	-0.438
40.0	-0.152	-0.090	-0.843	-0.868	-0.901
45.0	-0.471	-0.400	-1.497	-0.507	-1.373
50.0	-0.877	-0.827	-0.281	-1.540	-0.360
55.0	-0.909	-1.253	-1.400	-1.203	-1.562
60.0	-1.175	-0.264	-0.124	-0.838	-1.238
65.0	-0.525	-0.953	0.789	-1.158	-0.783
70.0	-0.437	-0.831	-0.728	-0.815	-0.478
75.0	-0.337	-0.480	-0.564	-0.858	-0.958
80.0	-0.837	-0.531	-0.566	-0.918	-0.634
85.0	-0.648	-0.344	-0.765	-0.795	-0.773
90.0	-0.400	-0.377	-0.568	-0.568	-0.878
95.0	0.487	0.538	0.438	0.362	0.451
100.0	0.341	0.404	0.514	0.372	0.343
2.5 (LOWER)	0.454	0.528	0.357	0.479	0.172
5.0	0.293	0.300	0.255	0.078	0.130
10.0	0.267	0.237	0.218	0.218	0.046
15.0	0.326	0.238	0.288	0.194	-0.031
20.0	-0.804	0.549	0.515	0.158	0.259
25.0	-0.859	0.717	-0.962	0.447	0.447
30.0	0.825	0.443	0.400	0.245	0.144

WING 321 POINT 1 ALPHA 0.06 PSI -5.00 HEIGHT 47.50

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.440	-2.475	-2.255	-2.765	-1.414
2.5	-1.038	-1.782	-1.415	-2.107	-1.133
5.0	-0.871	-0.858	-1.385	-2.147	-0.825
10.0	-0.886	-0.838	-1.042	-1.864	-1.205
15.0	-0.584	-0.607	-0.718	-0.785	-0.853
20.0	-0.584	-0.453	-0.542	-0.746	-0.885
25.0	-0.447	-0.478	-0.485	-0.501	-0.467
30.0	-0.333	-0.381	-0.484	-0.838	-0.841
35.0	-0.692	-0.468	-0.570	-0.481	-0.438
40.0	-0.130	-0.664	-0.853	-0.870	-0.892
45.0	-0.420	-0.420	-1.455	-0.483	-1.134
50.0	-0.855	-0.874	-0.283	-1.481	-0.285
55.0	-0.875	-1.310	-1.382	-1.188	-1.555
60.0	-1.145	-0.231	-0.120	-0.907	-1.198
65.0	-0.532	-0.824	0.774	-1.128	-0.754
70.0	-0.213	-0.800	-0.738	-0.868	-0.488
75.0	-0.386	-0.461	-0.483	-0.834	-0.488
80.0	-0.811	-0.505	-0.543	-0.815	-0.644
85.0	-0.843	-0.321	-0.878	-0.895	-0.644
90.0	-0.470	-0.300	-0.482	-0.587	-0.851
95.0	0.528	0.558	0.443	0.368	0.455
100.0	0.387	0.481	0.522	0.388	0.250
2.5 (LOWER)	0.470	0.544	0.384	0.448	0.160
5.0	0.230	0.319	0.277	0.100	0.165
10.0	0.276	0.251	0.231	0.237	0.055
15.0	0.318	0.262	0.306	0.173	-1.000
20.0	-0.853	0.563	0.528	0.358	0.358
25.0	-0.837	0.727	-0.958	0.574	0.447
30.0	0.833	0.458	0.409	0.256	0.165

WING 321 POINT 3 ALPHA 0.04 PSI -5.00 HEIGHT 87.00

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.341	-2.384	-2.433	-2.585	-1.438
2.5	-1.024	-1.447	-1.784	-1.828	-1.127
5.0	-0.883	-0.992	-1.502	-1.828	-0.917
10.0	-0.888	-0.861	-0.953	-1.828	-1.210
15.0	-0.820	-0.703	-0.853	-1.101	-0.850
20.0	-0.813	-0.477	-0.527	-0.734	-0.961
25.0	-0.484	-0.485	-0.482	-0.499	-0.831
30.0	-0.374	-0.399	-0.489	-0.897	-0.812
35.0	-0.110	-0.432	-0.600	-0.468	-0.421
40.0	-0.167	-0.708	-0.800	-0.800	-0.864
45.0	-0.684	-0.480	-1.538	-0.468	-1.240
50.0	-0.714	-0.828	-0.268	-1.557	-0.268
55.0	-1.055	-1.256	-1.438	-1.224	-1.538
60.0	-1.218	-0.271	-0.128	-0.972	-1.288
65.0	-0.588	-0.888	0.784	-1.158	-0.839
70.0	-0.465	-0.448	-0.742	-0.820	-0.487
75.0	-0.851	-0.501	-0.566	-0.828	-0.861
80.0	-0.851	-0.541	-0.571	-0.823	-0.928
85.0	-0.880	-0.350	-0.700	-0.708	-0.778
90.0	-0.502	-0.388	-0.512	-0.585	-0.888
95.0	0.353	0.481	0.426	0.384	0.448
100.0	0.501	0.528	0.509	0.384	0.335
2.5 (LOWER)	0.451	0.528	0.344	0.425	0.183
5.0	0.197	0.280	0.248	0.065	0.131
10.0	0.244	0.231	0.205	0.217	0.032
15.0	0.317	0.228	0.288	0.150	-1.075
20.0	-0.820	0.544	0.507	0.151	0.340
25.0	-0.859	0.727	-0.972	0.371	0.444
30.0	0.824	0.440	0.388	0.244	0.135

WING PRESSURE COEFFICIENTS

MAN 322 POINT 2 ALPHA	-0.11 PSI	0.00 HEIGHT	10.11						
1/C	2	BP 2	BP 6	BP 12	BP 16	BP 22			
0.0	0.0000	0.447	0.044	-0.431	-0.520	-1.075			
2.5	-0.341	-0.483	-0.483	-0.728	-1.022	-1.195			
5.0	-0.360	-0.454	-0.454	-0.640	-0.895	-0.840			
10.0	-0.363	-0.424	-0.424	-0.540	-0.740	-0.740			
15.0	-0.363	-0.451	-0.451	-0.585	-0.666	-0.421			
20.0	-0.458	-0.420	-0.420	-0.375	-0.473	-0.517			
24.0	-0.561	-0.433	-0.433	-0.360	-0.520	-0.463			
32.0	-0.681	-0.541	-0.541	-0.505	-0.653	-0.603			
40.0	-0.802	-0.775	-0.775	-0.637	-0.807	-0.800			
50.0	-0.942	-1.175	-1.175	-1.046	-1.100	-1.025			
60.0	-0.953	-2.406	-2.406	-1.946	-2.040	-1.758			
70.0	-3.104	-3.340	-3.340	-3.111	-3.453	-3.216			
80.0	-3.164	-3.371	-3.371	-3.142	-3.484	-3.248			
90.0	-3.032	-3.170	-3.170	-2.880	-3.140	-2.853			
100.0	-3.023	-3.041	-3.041	-2.813	-3.040	-2.767			
110.0	-2.877	-2.841	-2.841	-2.533	-2.787	-2.510			
120.0	-2.871	-2.770	-2.770	-2.464	-2.704	-2.430			
130.0	-2.804	-2.691	-2.691	-2.387	-2.614	-2.340			
140.0	-2.709	-2.581	-2.581	-2.287	-2.514	-2.240			
150.0	-2.621	-2.461	-2.461	-2.187	-2.414	-2.140			
160.0	-2.531	-2.341	-2.341	-2.087	-2.314	-2.040			
170.0	-2.441	-2.241	-2.241	-1.987	-2.214	-1.940			
180.0	-2.351	-2.141	-2.141	-1.887	-2.114	-1.840			
190.0	-2.261	-2.041	-2.041	-1.787	-2.014	-1.740			
200.0	-2.171	-1.941	-1.941	-1.687	-1.914	-1.640			
210.0	-2.081	-1.841	-1.841	-1.587	-1.814	-1.540			
220.0	-2.000	-1.741	-1.741	-1.487	-1.714	-1.440			
230.0	-1.910	-1.641	-1.641	-1.387	-1.614	-1.340			
240.0	-1.820	-1.541	-1.541	-1.287	-1.514	-1.240			
250.0	-1.730	-1.441	-1.441	-1.187	-1.414	-1.140			
260.0	-1.640	-1.341	-1.341	-1.087	-1.314	-1.040			
270.0	-1.550	-1.241	-1.241	-0.987	-1.214	-0.940			
280.0	-1.460	-1.141	-1.141	-0.887	-1.114	-0.840			
290.0	-1.370	-1.041	-1.041	-0.787	-1.014	-0.740			
300.0	-1.280	-0.941	-0.941	-0.687	-0.914	-0.640			
310.0	-1.190	-0.841	-0.841	-0.587	-0.814	-0.540			
320.0	-1.100	-0.741	-0.741	-0.487	-0.714	-0.440			
330.0	-1.010	-0.641	-0.641	-0.387	-0.614	-0.340			
340.0	-0.920	-0.541	-0.541	-0.287	-0.514	-0.240			
350.0	-0.830	-0.441	-0.441	-0.187	-0.414	-0.140			
360.0	-0.740	-0.341	-0.341	-0.087	-0.314	-0.040			
370.0	-0.650	-0.241	-0.241	0.013	-0.214	0.010			
380.0	-0.560	-0.141	-0.141	0.113	-0.114	0.110			
390.0	-0.470	-0.041	-0.041	0.213	-0.014	0.210			
400.0	-0.380	0.059	0.059	0.313	0.084	0.310			
410.0	-0.290	0.159	0.159	0.413	0.184	0.410			
420.0	-0.200	0.259	0.259	0.513	0.284	0.510			
430.0	-0.110	0.359	0.359	0.613	0.384	0.610			
440.0	-0.020	0.459	0.459	0.713	0.484	0.710			
450.0	0.070	0.559	0.559	0.813	0.584	0.810			
460.0	0.160	0.659	0.659	0.913	0.684	0.910			
470.0	0.250	0.759	0.759	1.013	0.784	1.010			
480.0	0.340	0.859	0.859	1.113	0.884	1.110			
490.0	0.430	0.959	0.959	1.213	0.984	1.210			
500.0	0.520	1.059	1.059	1.313	1.084	1.310			
510.0	0.610	1.159	1.159	1.413	1.184	1.410			
520.0	0.700	1.259	1.259	1.513	1.284	1.510			
530.0	0.790	1.359	1.359	1.613	1.384	1.610			
540.0	0.880	1.459	1.459	1.713	1.484	1.710			
550.0	0.970	1.559	1.559	1.813	1.584	1.810			
560.0	1.060	1.659	1.659	1.913	1.684	1.910			
570.0	1.150	1.759	1.759	2.013	1.784	2.010			
580.0	1.240	1.859	1.859	2.113	1.884	2.110			
590.0	1.330	1.959	1.959	2.213	1.984	2.210			
600.0	1.420	2.059	2.059	2.313	2.084	2.310			
610.0	1.510	2.159	2.159	2.413	2.184	2.410			
620.0	1.600	2.259	2.259	2.513	2.284	2.510			
630.0	1.690	2.359	2.359	2.613	2.384	2.610			
640.0	1.780	2.459	2.459	2.713	2.484	2.710			
650.0	1.870	2.559	2.559	2.813	2.584	2.810			
660.0	1.960	2.659	2.659	2.913	2.684	2.910			
670.0	2.050	2.759	2.759	3.013	2.784	3.010			
680.0	2.140	2.859	2.859	3.113	2.884	3.110			
690.0	2.230	2.959	2.959	3.213	2.984	3.210			
700.0	2.320	3.059	3.059	3.313	3.084	3.310			
710.0	2.410	3.159	3.159	3.413	3.184	3.410			
720.0	2.500	3.259	3.259	3.513	3.284	3.510			
730.0	2.590	3.359	3.359	3.613	3.384	3.610			
740.0	2.680	3.459	3.459	3.713	3.484	3.710			
750.0	2.770	3.559	3.559	3.813	3.584	3.810			
760.0	2.860	3.659	3.659	3.913	3.684	3.910			
770.0	2.950	3.759	3.759	4.013	3.784	4.010			
780.0	3.040	3.859	3.859	4.113	3.884	4.110			
790.0	3.130	3.959	3.959	4.213	3.984	4.210			
800.0	3.220	4.059	4.059	4.313	4.084	4.310			
810.0	3.310	4.159	4.159	4.413	4.184	4.410			
820.0	3.400	4.259	4.259	4.513	4.284	4.510			
830.0	3.490	4.359	4.359	4.613	4.384	4.610			
840.0	3.580	4.459	4.459	4.713	4.484	4.710			
850.0	3.670	4.559	4.559	4.813	4.584	4.810			
860.0	3.760	4.659	4.659	4.913	4.684	4.910			
870.0	3.850	4.759	4.759	5.013	4.784	5.010			
880.0	3.940	4.859	4.859	5.113	4.884	5.110			
890.0	4.030	4.959	4.959	5.213	4.984	5.210			
900.0	4.120	5.059	5.059	5.313	5.084	5.310			
910.0	4.210	5.159	5.159	5.413	5.184	5.410			
920.0	4.300	5.259	5.259	5.513	5.284	5.510			
930.0	4.390	5.359	5.359	5.613	5.384	5.610			
940.0	4.480	5.459	5.459	5.713	5.484	5.710			
950.0	4.570	5.559	5.559	5.813	5.584	5.810			
960.0	4.660	5.659	5.659	5.913	5.684	5.910			
970.0	4.750	5.759	5.759	6.013	5.784	6.010			
980.0	4.840	5.859	5.859	6.113	5.884	6.110			
990.0	4.930	5.959	5.959	6.213	5.984	6.210			
1000.0	5.020	6.059	6.059	6.313	6.084	6.310			

WING PRESSURE COEFFICIENTS

MAN 322 POINT 4 ALPHA	0.00 PSI	0.00 HEIGHT	00.07						
1/C	2	BP 2	BP 6	BP 12	BP 16	BP 22			
0.0	0.0000	0.512	0.221	-0.060	-0.470	-0.537			
2.5	-0.295	-0.415	-0.415	-0.063	-0.700	-0.534			
5.0	-0.374	-0.430	-0.430	-0.117	-0.760	-0.509			
10.0	-0.360	-0.415	-0.415	-0.116	-0.751	-0.491			
15.0	-0.360	-0.404	-0.404	-0.160	-0.719	-0.472			
20.0	-0.464	-0.348	-0.348	-0.200	-0.619	-0.354			
24.0	-0.617	-0.464	-0.464	-0.252	-0.561	-0.311			
32.0	-0.823	-0.617	-0.617	-0.323	-0.422	-0.143			
40.0	-1.100	-0.823	-0.823	-0.423	-0.253	-0.072			
50.0	-1.420	-1.100	-1.100	-0.544	-0.100	0.031			
60.0	-1.780	-1.420	-1.420	-0.660	0.100	0.093			
70.0	-2.180	-1.780	-1.780	-0.780	0.100	0.177			
80.0	-2.620	-2.180	-2.180	-0.920	0.100	0.259			
90.0	-3.100	-2.620	-2.620	-1.080	0.100	0.339			
100.0	-3.620	-3.100	-3.100	-1.260	0.100	0.416			
110.0	-4.180	-3.620	-3.620	-1.460	0.100	0.491			
120.0	-4.780	-4.180	-4.180	-1.680	0.100	0.564			
130.0	-5.420	-4.780	-4.780	-1.920	0.100	0.634			
140.0	-6.100	-5.420	-5.420	-2.180	0.100	0.701			
150.0	-6.820	-6.100	-6.100	-2.460	0.100	0.766			
160.0	-7.580	-6.820	-6.820	-2.760	0.100	0.828			
170.0	-8.380	-7.580	-7.580	-3.080	0.100	0.888			
180.0	-9.220	-8.380	-8.380	-3.420	0.100	0.946			
190.0	-10.100	-9.220	-9.220	-3.780	0.100	1.001			
200.0	-11.020	-10.100	-10.100	-4.160	0.100	1.054			
210.0	-12.000	-11.020	-11.020	-4.560	0.100	1.105			
220.0	-13.020	-12.000	-12.000	-4.980	0.100	1.154			
230.0	-14.080	-13.020	-13.020	-5.420	0.100	1.201			
240.0	-15.180	-14.080	-14.080	-5.880	0.100	1.246			
250.0	-16.320	-15.180	-15.180	-6.360	0.100	1.289			
260.0	-17.500	-16.320	-16.320	-6.860	0.100	1.330			
270.0	-18.720	-17.500	-17.500	-7.380	0.100	1.369			
280.0	-19.980	-18.720	-18.720	-7.920	0.100	1.406			
290.0	-21.280	-19.980	-19.980	-8.480	0.100	1.441			
300.0	-22.620	-21.280	-21.280	-9.060	0.100	1.474			
310.0	-24.000	-22.620	-22.620	-9.660	0.100	1.506			
320.0	-25.420	-24.000	-24.000	-10.280	0.100	1.537			
330.0	-26.880	-25.420	-25.420	-10.920	0.100	1.567			
340.0	-28.380	-26.880	-26.880	-11.580	0.100	1.596			
350.0	-29.920	-28.380	-28.380	-12.260	0.100	1.624			
360.0	-31.500	-29.920	-29.920	-12.960	0.100	1.651			
370.0	-33.120	-31.500	-31.500	-13.680	0.100	1.677			
380.0	-34.780	-33.120	-33.120	-14.420	0.100	1.702			
390.0	-36.480	-34.780	-34.780	-15.180	0.100	1.726			
400.0	-38.220	-36.480	-36.480	-15.960	0.100	1.749			
410.0	-40.000	-38.220	-38.220	-16.760	0.100	1.771			
420.0	-41.820	-40.000	-40.000	-17.580	0.100	1.792			
430.0	-43.680	-41.820	-41.820	-18.420	0.100	1.813			
440.0	-45.580	-43.680	-43.680	-19.280	0.100	1.833			
450.0	-47.520	-45.580	-45.580	-20.160	0.100	1.853			
460.0	-49.500	-47.520	-47.520	-21.060	0.100	1.872			
470.0	-51.520	-49.500	-49.500	-21.980	0.100	1.891			
480.0	-53.580	-51.520	-51.520	-22.920	0.100	1.909			
490.0	-55.680	-53.580	-53.580	-23.880	0.100	1.927			
500.0	-57.820	-55.680	-55.680	-24.860	0.100	1.944			
510.0	-59.980	-57.820	-57.820	-25.860	0.100	1.961			
520.0	-62.180	-59.980	-59.980	-26.880	0.100	1.977			
530.0	-64.420	-62.180	-62.180	-27.920	0.100	1.992			
540.0	-66.700	-64.420	-64.420	-28.980	0.100	2.007			
550.0	-69.020	-66.700	-66.700	-30.060	0.100	2.021			
560.0	-71.380	-69.020	-69.020	-31.160	0.100	2.035			
570.0	-73.780	-71.380	-71.380	-32.280	0.100	2.049			
580.0	-76.220	-73.780	-73.780	-33.420	0.100	2.062			
590.0	-78.700	-76.220	-76.220	-34.580	0.100	2.075			
600.0	-81.220	-78.700	-78.700	-35.760	0.100	2.088			
610.0	-83.780	-81.220	-81.220	-36.960	0.100	2.100			
620.0	-86.380	-83.780	-83.780	-38.180	0.100	2.112			
630.0	-89.020	-86.380	-86.380	-39.420	0.100	2.124			
640.0	-91.700	-89.020	-89.020	-40.680	0.100	2.135			
650.0	-94.420	-91.700	-91.700	-41.960	0.100	2.146			
660.0	-97.180	-94.420	-94.420	-43.260	0.100	2.157			
670.0	-100.000	-97.180	-97.180	-44.580	0.100	2.167			
680.0	-102.860	-100.000	-100.000	-45.920	0.100	2.177			
690.0	-105.760	-102.860	-102.860	-47.280	0.100	2.187			
700.0	-108.700	-105.760	-105.760	-48.660	0.100	2.196			
710.0	-111.680	-108.700	-108.700	-50.060	0.100	2.205			
720.0	-114.700	-111.680	-111.680	-51.480	0.100	2.214			
730.0	-117.760	-114.700	-114.700	-52.920	0.100	2.223			
740.0	-120.860	-117.760	-117.760	-54.380	0.100	2.231			
750.0	-124.000	-120.860	-120.860	-55.860	0.100	2.239			
760.0	-127.180	-124.000	-124.000	-57.360	0.100	2.247			
770.0	-130.400	-127.180	-127.180	-58.880	0.100	2.255			
780.0	-133.660	-130.400	-130.400	-60.420	0.100	2.263			
790.0	-136.960	-133.660	-133.660	-61.980	0.100	2.270			
800.0	-140.300	-136.960	-136.960	-63.560	0.100	2.277			
810.0	-143.680	-140.300	-140.300	-65.160	0.100	2.284			
820.0	-147.100	-143.680	-143.680	-66.780	0.100	2.291			
830.0	-150.560	-147.100	-147.100	-68.420	0.100	2.297			
840.0	-154.060	-150.560	-150.560	-70.080	0.100	2.303			
850.0	-157.600	-154.060	-154.060	-71.760	0.100	2.309			
860.0	-161.180	-157.600	-157.600	-73.460	0.100	2.314			
870.0	-164.800	-161.180	-161.180	-75.180	0.100	2.319			
880.0	-168.460	-164.800	-164.800	-76.920	0.100	2.324			
890.0	-172.160	-168.460	-168.460	-78.680	0.100	2.328			
900.0	-175.900	-172.160	-172.160	-80.460	0.100	2.332			
910.0	-179.680	-175.900	-175.900	-82.260	0.100	2.336			
920.0	-183.500	-179.680	-179.680	-84.080	0.100	2.339			
930.0	-187.360	-183.500	-183.500	-85.920	0.100	2.342			
940.0	-191.260	-187.360	-187.360	-87.780	0.100	2.345			
950.0	-195.200	-191.260	-191.260	-89.660	0.100	2.348			
960.0	-199.180	-195.200	-195.200	-91.560	0.100	2.351			
970.0	-203.200	-199.180	-199.180	-93.480	0.100	2.353			
980.0	-207.260	-203.200	-203.200	-95.420	0.100	2.355			
990.0	-211.360	-207.260	-207.260	-97.380	0.100	2.357			
1000.0	-215.500	-211.360	-211.360	-99.360	0.100	2.359			

MINE PRESSURE COEFFICIENTS

MIN 323 POINT 1 ALPHA 0.04 PSI -5.01 HEIGHT 47.00									
L/C	3	BP 2	BP 6	BP 12	BP 16	BP 22			
0.0	0.0	-2.317	-2.750	-2.630	-2.707	-1.000			
2.5	0.0	-1.466	-2.070	-2.344	-2.305	-1.067			
5.0	0.0	-1.131	-1.755	-2.171	-2.049	-1.075			
10.0	0.0	-0.863	-1.304	-1.604	-1.423	-1.076			
15.0	0.0	-0.601	-1.004	-1.240	-1.063	-1.068			
20.0	0.0	-0.344	-0.699	-0.895	-0.734	-1.067			
25.0	0.0	-0.091	-0.394	-0.590	-0.429	-1.066			
30.0	0.0	0.162	-0.089	-0.285	-0.124	-1.065			
35.0	0.0	0.415	0.211	-0.030	0.121	-1.064			
40.0	0.0	0.668	0.464	0.179	0.270	-1.063			
45.0	0.0	0.921	0.717	0.422	0.511	-1.062			
50.0	0.0	1.174	0.970	0.665	0.750	-1.061			
55.0	0.0	1.427	1.223	0.909	1.000	-1.060			
60.0	0.0	1.680	1.476	1.152	1.249	-1.059			
65.0	0.0	1.933	1.729	1.395	1.498	-1.058			
70.0	0.0	2.186	1.982	1.638	1.747	-1.057			
75.0	0.0	2.439	2.235	1.881	1.996	-1.056			
80.0	0.0	2.692	2.488	2.124	2.245	-1.055			
85.0	0.0	2.945	2.741	2.367	2.494	-1.054			
90.0	0.0	3.198	2.994	2.610	2.743	-1.053			
95.0	0.0	3.451	3.247	2.853	2.992	-1.052			
100.0	0.0	3.704	3.500	3.096	3.241	-1.051			

MINE PRESSURE COEFFICIENTS

MIN 323 POINT 3 ALPHA 0.03 PSI -5.01 HEIGHT 87.03									
L/C	3	BP 2	BP 6	BP 12	BP 16	BP 22			
0.0	0.0	-2.121	-2.687	-2.873	-2.873	-1.770			
2.5	0.0	-1.370	-2.004	-2.041	-2.041	-1.853			
5.0	0.0	-0.908	-1.324	-1.316	-1.316	-1.936			
10.0	0.0	-0.446	-0.640	-0.608	-0.608	-2.019			
15.0	0.0	-0.184	-0.289	-0.272	-0.272	-2.102			
20.0	0.0	0.078	-0.030	-0.037	-0.037	-2.185			
25.0	0.0	0.340	0.211	-0.030	-0.030	-2.268			
30.0	0.0	0.602	0.464	0.179	0.179	-2.351			
35.0	0.0	0.864	0.717	0.422	0.422	-2.434			
40.0	0.0	1.126	0.970	0.665	0.665	-2.517			
45.0	0.0	1.389	1.223	0.909	0.909	-2.600			
50.0	0.0	1.651	1.466	1.152	1.152	-2.683			
55.0	0.0	1.914	1.709	1.395	1.395	-2.766			
60.0	0.0	2.176	1.952	1.638	1.638	-2.849			
65.0	0.0	2.439	2.195	1.881	1.881	-2.932			
70.0	0.0	2.702	2.438	2.124	2.124	-3.015			
75.0	0.0	2.964	2.681	2.367	2.367	-3.098			
80.0	0.0	3.227	2.924	2.610	2.610	-3.181			
85.0	0.0	3.489	3.167	2.853	2.853	-3.264			
90.0	0.0	3.752	3.410	3.096	3.096	-3.347			
95.0	0.0	4.014	3.653	3.339	3.339	-3.430			
100.0	0.0	4.277	3.896	3.582	3.582	-3.513			

MINE PRESSURE COEFFICIENTS

MIN 324 POINT 2 ALPHA 0.03 PSI -5.01 HEIGHT 85.00									
L/C	3	BP 2	BP 6	BP 12	BP 16	BP 22			
0.0	0.0	-2.160	-2.607	-2.687	-2.810	-1.723			
2.5	0.0	-1.371	-2.110	-2.037	-2.552	-1.806			
5.0	0.0	-0.903	-1.413	-1.337	-2.067	-1.889			
10.0	0.0	-0.435	-0.716	-1.024	-1.782	-1.972			
15.0	0.0	-0.167	-0.419	-0.727	-1.485	-2.055			
20.0	0.0	0.091	-0.122	-0.435	-1.183	-2.138			
25.0	0.0	0.344	0.175	-0.142	-0.881	-2.221			
30.0	0.0	0.597	0.428	0.121	-0.579	-2.304			
35.0	0.0	0.850	0.681	0.360	-0.277	-2.387			
40.0	0.0	1.103	0.934	0.638	0.025	-2.470			
45.0	0.0	1.356	1.187	0.941	0.323	-2.553			
50.0	0.0	1.609	1.440	1.194	0.621	-2.636			
55.0	0.0	1.862	1.693	1.447	0.919	-2.719			
60.0	0.0	2.115	1.946	1.700	1.217	-2.802			
65.0	0.0	2.368	2.199	1.953	1.515	-2.885			
70.0	0.0	2.621	2.452	2.206	1.813	-2.968			
75.0	0.0	2.874	2.705	2.459	2.111	-3.051			
80.0	0.0	3.127	2.958	2.712	2.409	-3.134			
85.0	0.0	3.380	3.211	2.965	2.707	-3.217			
90.0	0.0	3.633	3.464	3.218	2.955	-3.300			
95.0	0.0	3.886	3.717	3.471	3.203	-3.383			
100.0	0.0	4.139	3.970	3.724	3.451	-3.466			

MINE PRESSURE COEFFICIENTS

MIN 324 POINT 2 ALPHA 0.03 PSI -5.01 HEIGHT 47.03									
L/C	3	BP 2	BP 6	BP 12	BP 16	BP 22			
0.0	0.0	-2.341	-2.612	-2.630	-2.877	-1.000			
2.5	0.0	-1.340	-2.168	-2.143	-2.637	-1.795			
5.0	0.0	-0.840	-1.712	-1.657	-2.143	-1.980			
10.0	0.0	-0.340	-1.256	-1.228	-1.647	-2.165			
15.0	0.0	-0.080	-0.799	-0.772	-1.147	-2.150			
20.0	0.0	0.180	-0.343	-0.316	-0.647	-2.135			
25.0	0.0	0.440	0.113	-0.011	-0.147	-2.120			
30.0	0.0	0.700	0.366	0.244	0.000	-2.105			
35.0	0.0	0.960	0.621	0.499	0.250	-2.090			
40.0	0.0	1.220	0.876	0.754	0.494	-2.075			
45.0	0.0	1.480	1.131	0.999	0.738	-2.060			
50.0	0.0	1.740	1.386	1.257	1.000	-2.045			
55.0	0.0	2.000	1.641	1.509	1.250	-2.030			
60.0	0.0	2.260	1.896	1.767	1.500	-2.015			
65.0	0.0	2.520	2.151	2.019	1.750	-2.000			
70.0	0.0	2.780	2.406	2.278	2.000	-1.985			
75.0	0.0	3.040	2.661	2.530	2.250	-1.970			
80.0	0.0	3.300	2.916	2.785	2.500	-1.955			
85.0	0.0	3.560	3.171	3.039	2.750	-1.940			
90.0	0.0	3.820	3.426	3.294	3.000	-1.925			
95.0	0.0	4.080	3.681	3.549	3.250	-1.910			
100.0	0.0	4.340	3.936	3.804	3.500	-1.895			

MINE PRESSURE COEFFICIENTS

MIN 256 POINT 1 ALPHA		0.00 PSI		0.00 HEIGHT		10.00	
L/C	%	BP 2	BP 3	BP 6	BP 12	BP 16	BP 22
0.0	DOWN	0.515	-0.143	-0.783	-1.045	-1.010	-1.010
2.5	0.0	-0.461	-0.304	-0.461	-1.027	-1.064	-1.064
5.0	0.0	-0.572	-0.566	-0.772	-0.932	-0.932	-0.932
10.0	0.0	-0.490	-0.516	-0.612	-0.824	-0.824	-0.824
15.0	0.0	-0.400	-0.560	-0.507	-0.620	-0.620	-0.620
20.0	0.0	-0.312	-0.514	-0.353	-0.414	-0.414	-0.414
25.0	0.0	-0.220	-0.370	-0.200	-0.250	-0.250	-0.250
30.0	0.0	-0.120	-0.220	-0.100	-0.150	-0.150	-0.150
35.0	0.0	-0.020	-0.120	-0.010	-0.050	-0.050	-0.050
40.0	0.0	0.080	-0.020	0.080	-0.020	-0.020	-0.020
45.0	0.0	0.180	0.080	0.180	0.080	0.080	0.080
50.0	0.0	0.280	0.180	0.280	0.180	0.180	0.180
55.0	0.0	0.380	0.280	0.380	0.280	0.280	0.280
60.0	0.0	0.480	0.380	0.480	0.380	0.380	0.380
65.0	0.0	0.580	0.480	0.580	0.480	0.480	0.480
70.0	0.0	0.680	0.580	0.680	0.580	0.580	0.580
75.0	0.0	0.780	0.680	0.780	0.680	0.680	0.680
80.0	0.0	0.880	0.780	0.880	0.780	0.780	0.780
85.0	0.0	0.980	0.880	0.980	0.880	0.880	0.880
90.0	0.0	1.080	0.980	1.080	0.980	0.980	0.980
95.0	0.0	1.180	1.080	1.180	1.080	1.080	1.080
100.0	0.0	1.280	1.180	1.280	1.180	1.180	1.180
105.0	0.0	1.380	1.280	1.380	1.280	1.280	1.280
110.0	0.0	1.480	1.380	1.480	1.380	1.380	1.380
115.0	0.0	1.580	1.480	1.580	1.480	1.480	1.480
120.0	0.0	1.680	1.580	1.680	1.580	1.580	1.580
125.0	0.0	1.780	1.680	1.780	1.680	1.680	1.680
130.0	0.0	1.880	1.780	1.880	1.780	1.780	1.780
135.0	0.0	1.980	1.880	1.980	1.880	1.880	1.880
140.0	0.0	2.080	1.980	2.080	1.980	1.980	1.980
145.0	0.0	2.180	2.080	2.180	2.080	2.080	2.080
150.0	0.0	2.280	2.180	2.280	2.180	2.180	2.180
155.0	0.0	2.380	2.280	2.380	2.280	2.280	2.280
160.0	0.0	2.480	2.380	2.480	2.380	2.380	2.380
165.0	0.0	2.580	2.480	2.580	2.480	2.480	2.480
170.0	0.0	2.680	2.580	2.680	2.580	2.580	2.580
175.0	0.0	2.780	2.680	2.780	2.680	2.680	2.680
180.0	0.0	2.880	2.780	2.880	2.780	2.780	2.780
185.0	0.0	2.980	2.880	2.980	2.880	2.880	2.880
190.0	0.0	3.080	2.980	3.080	2.980	2.980	2.980
195.0	0.0	3.180	3.080	3.180	3.080	3.080	3.080
200.0	0.0	3.280	3.180	3.280	3.180	3.180	3.180
205.0	0.0	3.380	3.280	3.380	3.280	3.280	3.280
210.0	0.0	3.480	3.380	3.480	3.380	3.380	3.380
215.0	0.0	3.580	3.480	3.580	3.480	3.480	3.480
220.0	0.0	3.680	3.580	3.680	3.580	3.580	3.580
225.0	0.0	3.780	3.680	3.780	3.680	3.680	3.680
230.0	0.0	3.880	3.780	3.880	3.780	3.780	3.780
235.0	0.0	3.980	3.880	3.980	3.880	3.880	3.880
240.0	0.0	4.080	3.980	4.080	3.980	3.980	3.980
245.0	0.0	4.180	4.080	4.180	4.080	4.080	4.080
250.0	0.0	4.280	4.180	4.280	4.180	4.180	4.180
255.0	0.0	4.380	4.280	4.380	4.280	4.280	4.280
260.0	0.0	4.480	4.380	4.480	4.380	4.380	4.380
265.0	0.0	4.580	4.480	4.580	4.480	4.480	4.480
270.0	0.0	4.680	4.580	4.680	4.580	4.580	4.580
275.0	0.0	4.780	4.680	4.780	4.680	4.680	4.680
280.0	0.0	4.880	4.780	4.880	4.780	4.780	4.780
285.0	0.0	4.980	4.880	4.980	4.880	4.880	4.880
290.0	0.0	5.080	4.980	5.080	4.980	4.980	4.980
295.0	0.0	5.180	5.080	5.180	5.080	5.080	5.080
300.0	0.0	5.280	5.180	5.280	5.180	5.180	5.180
305.0	0.0	5.380	5.280	5.380	5.280	5.280	5.280
310.0	0.0	5.480	5.380	5.480	5.380	5.380	5.380
315.0	0.0	5.580	5.480	5.580	5.480	5.480	5.480
320.0	0.0	5.680	5.580	5.680	5.580	5.580	5.580
325.0	0.0	5.780	5.680	5.780	5.680	5.680	5.680
330.0	0.0	5.880	5.780	5.880	5.780	5.780	5.780
335.0	0.0	5.980	5.880	5.980	5.880	5.880	5.880
340.0	0.0	6.080	5.980	6.080	5.980	5.980	5.980
345.0	0.0	6.180	6.080	6.180	6.080	6.080	6.080
350.0	0.0	6.280	6.180	6.280	6.180	6.180	6.180
355.0	0.0	6.380	6.280	6.380	6.280	6.280	6.280
360.0	0.0	6.480	6.380	6.480	6.380	6.380	6.380
365.0	0.0	6.580	6.480	6.580	6.480	6.480	6.480
370.0	0.0	6.680	6.580	6.680	6.580	6.580	6.580
375.0	0.0	6.780	6.680	6.780	6.680	6.680	6.680
380.0	0.0	6.880	6.780	6.880	6.780	6.780	6.780
385.0	0.0	6.980	6.880	6.980	6.880	6.880	6.880
390.0	0.0	7.080	6.980	7.080	6.980	6.980	6.980
395.0	0.0	7.180	7.080	7.180	7.080	7.080	7.080
400.0	0.0	7.280	7.180	7.280	7.180	7.180	7.180
405.0	0.0	7.380	7.280	7.380	7.280	7.280	7.280
410.0	0.0	7.480	7.380	7.480	7.380	7.380	7.380
415.0	0.0	7.580	7.480	7.580	7.480	7.480	7.480
420.0	0.0	7.680	7.580	7.680	7.580	7.580	7.580
425.0	0.0	7.780	7.680	7.780	7.680	7.680	7.680
430.0	0.0	7.880	7.780	7.880	7.780	7.780	7.780
435.0	0.0	7.980	7.880	7.980	7.880	7.880	7.880
440.0	0.0	8.080	7.980	8.080	7.980	7.980	7.980
445.0	0.0	8.180	8.080	8.180	8.080	8.080	8.080
450.0	0.0	8.280	8.180	8.280	8.180	8.180	8.180
455.0	0.0	8.380	8.280	8.380	8.280	8.280	8.280
460.0	0.0	8.480	8.380	8.480	8.380	8.380	8.380
465.0	0.0	8.580	8.480	8.580	8.480	8.480	8.480
470.0	0.0	8.680	8.580	8.680	8.580	8.580	8.580
475.0	0.0	8.780	8.680	8.780	8.680	8.680	8.680
480.0	0.0	8.880	8.780	8.880	8.780	8.780	8.780
485.0	0.0	8.980	8.880	8.980	8.880	8.880	8.880
490.0	0.0	9.080	8.980	9.080	8.980	8.980	8.980
495.0	0.0	9.180	9.080	9.180	9.080	9.080	9.080
500.0	0.0	9.280	9.180	9.280	9.180	9.180	9.180
505.0	0.0	9.380	9.280	9.380	9.280	9.280	9.280
510.0	0.0	9.480	9.380	9.480	9.380	9.380	9.380
515.0	0.0	9.580	9.480	9.580	9.480	9.480	9.480
520.0	0.0	9.680	9.580	9.680	9.580	9.580	9.580
525.0	0.0	9.780	9.680	9.780	9.680	9.680	9.680
530.0	0.0	9.880	9.780	9.880	9.780	9.780	9.780
535.0	0.0	9.980	9.880	9.980	9.880	9.880	9.880
540.0	0.0	10.080	9.980	10.080	9.980	9.980	9.980
545.0	0.0	10.180	10.080	10.180	10.080	10.080	10.080
550.0	0.0	10.280	10.180	10.280	10.180	10.180	10.180
555.0	0.0	10.380	10.280	10.380	10.280	10.280	10.280
560.0	0.0	10.480	10.380	10.480	10.380	10.380	10.380
565.0	0.0	10.580	10.480	10.580	10.480	10.480	10.480
570.0	0.0	10.680	10.580	10.680	10.580	10.580	10.580
575.0	0.0	10.780	10.680	10.780	10.680	10.680	10.680
580.0	0.0	10.880	10.780	10.880	10.780	10.780	10.780
585.0	0.0	10.980	10.880	10.980	10.880	10.880	10.880
590.0	0.0	11.080	10.980	11.080	10.980	10.980	10.980
595.0	0.0	11.180	11.080	11.180	11.080	11.080	11.080
600.0	0.0	11.280	11.180	11.280	11.180	11.180	11.180
605.0	0.0	11.380	11.280	11.380	11.280	11.280	11.280
610.0	0.0	11.480	11.380	11.480	11.380	11.380	11.380
615.0	0.0	11.580	11.480	11.580	11.480	11.480	11.480
620.0	0.0	11.680	11.580	11.680	11.580	11.580	11.580
625.0	0.0	11.780	11.680	11.780	11.680	11.680	11.680
630.0	0.0	11.880	11.780	11.880	11.780	11.780	11.780
635.0	0.0	11.980	11.880	11.980	11.880	11.880	11.880
640.0	0.0	12.080	11.980	12.080	11.980	11.980	11.980
645.0	0.0	12.180	12.080	12.180	12.080	12.080	12.080
650.0	0.0	12.280	12.180	12.280	12.180	12.180	12.180
655.0	0.0	12.380	12.280	12.380	12.280	12.280	12.280
660.0	0.0	12.480	12.380	12.480	12.380	12.380	12.380
665.0	0.0	12.580	12.480	12.580	12.480	12.480	12.480
670.0	0.0	12.680	12.580	12.680	12.580	12.580	12.580
675.0	0.0	12.780	12.680	12.780	12.680	12.680	12.680
680.0	0.0	12.880	12.780	12.880	12.780	12.780	12.780
685.0	0.0	12.980	12.880	12.980	12.880	12.880	12.880
690.0	0.0	13.080	12.980	13.080	12.980	12.980	12.980
695.0	0.0	13.180	13.080	13.180	13.080	13.080	13.080
700.0	0.0	13.280	13.180	13.280	13.180	13.180	13.180
705.0							

WING PROGRESS CONTROL

NAME	237	POINT	0	01000	-0.02	P51	0.00	HEIGHT	00.00
L/C	2	SP 2	SP 3	SP 4	SP 5	SP 6	SP 7	SP 8	SP 9
0	0	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
2.5	2.5	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
5.0	5.0	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049
10.0	10.0	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045
15.0	15.0	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061
20.0	20.0	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104
25.0	25.0	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104
30.0	30.0	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082	-0.082
35.0	35.0	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044	-0.044
40.0	40.0	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074	-0.074
45.0	45.0	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
50.0	50.0	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
55.0	55.0	-0.152	-0.152	-0.152	-0.152	-0.152	-0.152	-0.152	-0.152
60.0	60.0	-0.152	-0.152	-0.152	-0.152	-0.152	-0.152	-0.152	-0.152
65.0	65.0	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239
70.0	70.0	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154
75.0	75.0	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095
80.0	80.0	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095
85.0	85.0	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095
90.0	90.0	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211
95.0	95.0	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211	-0.211
100.0	100.0	-0.123	-0.123	-0.123	-0.123	-0.123	-0.123	-0.123	-0.123
105.0	105.0	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
110.0	110.0	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064	-0.064
115.0	115.0	-0.172	-0.172	-0.172	-0.172	-0.172	-0.172	-0.172	-0.172
120.0	120.0	-0.340	-0.340	-0.340	-0.340	-0.340	-0.340	-0.340	-0.340
125.0	125.0	-0.478	-0.478	-0.478	-0.478	-0.478	-0.478	-0.478	-0.478
130.0	130.0	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
135.0	135.0	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090
140.0	140.0	-0.141	-0.141	-0.141	-0.141	-0.141	-0.141	-0.141	-0.141
145.0	145.0	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
150.0	150.0	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
155.0	155.0	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
160.0	160.0	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065

NAME	237	POINT	S	ALPHA	-0.04	PS1	0.00	WRIGHT	87.00
	1/2	2	3	4	5	6	7	8	9
0.0	0.007	0.007	0.102	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
2.5	-0.412	-0.029	-0.029	-0.163	-0.054	-0.054	-0.054	-0.054	-0.054
5.0	-0.842	-0.531	-0.531	-0.949	-0.292	-0.292	-0.292	-0.292	-0.292
10.0	-0.832	-0.160	-0.160	-0.319	-1.000	-1.000	-1.000	-1.000	-1.000
15.0	-0.376	-0.024	-0.024	-0.077	-1.140	-1.140	-1.140	-1.140	-1.140
20.0	-1.206	-0.313	-0.313	-0.163	-2.016	-2.016	-2.016	-2.016	-2.016
25.0	-0.972	-0.000	-0.000	-0.444	-1.120	-1.120	-1.120	-1.120	-1.120
30.0	-0.780	-0.007	-0.007	-1.230	-10.160	-10.160	-10.160	-10.160	-10.160
35.0	-0.495	-0.487	-0.487	-1.794	-1.751	-1.751	-1.751	-1.751	-1.751
40.0	-1.000	-0.830	-0.830	-2.310	-2.063	-2.063	-2.063	-2.063	-2.063
45.0	-10.000	-10.000	-10.000	-12.337	-40.160	-40.160	-40.160	-40.160	-40.160
50.0	-18.040	-14.250	-14.250	-1.307	-12.063	-12.063	-12.063	-12.063	-12.063
55.0	-0.190	-0.000	-0.000	-0.531	-10.760	-10.760	-10.760	-10.760	-10.760
60.0	-12.337	-11.032	-11.032	-0.504	-0.000	-0.000	-0.000	-0.000	-0.000
65.0	-0.507	-0.507	-0.507	-2.700	-0.000	-0.000	-0.000	-0.000	-0.000
70.0	-2.110	-2.110	-2.110	-1.000	-2.537	-2.537	-2.537	-2.537	-2.537
75.0	-2.007	-1.770	-1.770	-2.000	-2.297	-2.297	-2.297	-2.297	-2.297
80.0	-3.237	-1.312	-1.312	-2.000	-0.411	-0.411	-0.411	-0.411	-0.411
85.0	-2.004	-2.372	-2.372	-1.000	-0.190	-0.190	-0.190	-0.190	-0.190
90.0	-0.164	-0.441	-0.441	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
2.5	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
5.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
10.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
20.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
30.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
40.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
50.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
60.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
70.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
80.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
90.0	-0.160	-0.160	-0.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

WING PROCESSOR COLLECTORS

NAME	257 POINT	2	64 PWD	0.00 PSI	0.00	WIND	10.20
	2/C	%	BP 2	BP 0	BP 12	BP 16	BP 22
4.0	0.0000	0.202	-0.700	-1.004	-2.001	-2.001	-2.001
2.5	-0.000	-0.000	-0.440	-0.714	-1.320	-2.010	-2.010
5.0	-1.000	-1.000	-0.720	-1.205	-0.644	-0.423	-0.423
10.0	-0.700	-0.000	-0.000	-0.700	-1.203	-1.000	-1.000
15.0	-0.000	-0.000	-0.000	-0.010	-1.300	-0.150	-0.150
20.0	-1.000	-1.000	-0.310	-0.200	-2.100	-1.377	-1.377
25.0	-1.000	-1.000	-0.001	-0.001	-1.200	-1.000	-1.000
30.0	-1.000	-1.000	-1.010	-1.200	-1.130	-0.700	-0.700
35.0	-0.000	-0.000	-0.000	-1.000	-1.000	-0.100	-0.100
40.0	-1.000	-1.000	-0.300	-1.000	-1.000	-0.500	-0.500
45.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
50.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
55.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
60.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
65.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
70.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
75.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
80.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
85.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
90.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
95.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100
100.0	-1.000	-1.000	-0.000	-1.000	-1.000	-0.100	-0.100

DATE	337 POINT	3 - ALPINE	0.00 PSI	0.00 MGMT	27.00
L/C	%	BP 2	BP 0	BP 12	BP 16
0.0	REPORT	0.734	-0.163	-0.760	-2.560
2.5		-0.490	-0.130	-0.000	-1.100
5.0		-0.037	-0.378	-0.007	-0.300
10.0		-0.575	-0.310	-0.330	-1.000
15.0		-0.001	-0.070	-0.003	-1.101
20.0		-1.000	-0.340	-0.120	-2.000
23.0		-0.040	-0.043	-0.000	-1.003
54.0		-0.000	-0.000	-1.107	-1.003
85.0		-0.700	-0.401	-1.107	-1.100
78.5		-1.003	-0.755	-3.030	-3.303
70.5		-10.000	-104.034	-12.070	-60.707
80.5		-15.077	-14.078	-1.437	-13.000
81.5		-7.001	-11.420	-12.102	-10.072
82.0		-0.400	-0.101	-0.002	-0.210
87.0		1.000	-1.722	-0.107	-3.423
88.0		-2.020	-0.100	-1.700	-1.000
93.0		-1.005	-1.724	-1.700	-1.000
96.0		-3.750	-1.377	-2.217	-3.211
100.0		-3.273	-0.000	-1.000	-2.130
2.5	% GROSS	-0.000	-0.000	-0.113	-0.043
5.0		-0.000	-0.017	-0.070	-0.120
10.0		-0.000	-0.022	-0.077	-0.120
24.0		-0.000	-0.040	-0.115	-0.077
33.0		-0.430	-0.100	-0.040	-0.100
54.0		-0.970	-0.170	-0.002	-0.000
72.5		-2.000	-0.000	-0.024	-1.000
84.0		-0.000	-1.150	-1.000	-0.200
96.0		-1.000	-0.034	-0.037	-0.110

MING PRESSURE COEFFICIENTS

MIN 220	POINT 1	ALPHA	0.07	PSI	-5.01	HEIGHT	40.00	
1/C	%	BP 2	BP 0	BP 12	BP 16	BP 22		
0.0	0.0	-2.200	-3.410	-2.263	-2.810	-2.021		
2.5	2.5	-1.417	-2.026	-2.035	-1.800	-1.710		
5.0	5.0	-1.240	-2.040	-2.000	-1.820	-1.770		
10.0	10.0	-0.940	-0.940	-2.762	-2.822	-2.113		
15.0	15.0	-0.600	-1.238	-2.453	-2.453	-1.023		
20.0	20.0	-0.317	-0.900	-0.600	-0.707	-1.774		
25.0	25.0	-0.027	-0.590	-0.300	-0.400	-1.700		
30.0	30.0	-0.210	-0.270	-0.137	-0.370	-1.600		
35.0	35.0	-0.441	-0.040	-0.000	-0.141	-1.374		
40.0	40.0	-0.620	-0.293	-0.043	-0.043	-2.020		
45.0	45.0	-0.823	-0.500	-0.112	-0.102	-0.453		
50.0	50.0	-1.014	-0.640	-0.270	-0.310	-0.800		
55.0	55.0	-1.200	-0.800	-0.420	-0.420	-0.800		
60.0	60.0	-1.430	-1.010	-0.500	-0.700	-0.800		
65.0	65.0	-1.610	-1.110	-0.370	-0.900	-0.800		
70.0	70.0	-1.800	-1.240	-0.290	-1.000	-0.800		
75.0	75.0	-2.000	-1.400	-0.140	-1.100	-0.800		
80.0	80.0	-2.200	-1.590	-0.000	-1.200	-0.800		
85.0	85.0	-2.410	-1.800	0.130	-1.300	-0.800		
90.0	90.0	-2.610	-2.000	0.270	-1.400	-0.800		
95.0	95.0	-2.810	-2.200	0.400	-1.500	-0.800		
100.0	100.0	-3.010	-2.400	0.540	-1.600	-0.800		

MING PRESSURE COEFFICIENTS

MIN 220	POINT 2	ALPHA	0.05	PSI	-5.01	HEIGHT	37.00	
1/C	%	BP 2	BP 0	BP 12	BP 16	BP 22		
0.0	0.0	-2.200	-3.410	-2.263	-2.810	-2.021		
2.5	2.5	-1.417	-2.026	-2.035	-1.800	-1.710		
5.0	5.0	-1.240	-2.040	-2.000	-1.820	-1.770		
10.0	10.0	-0.940	-0.940	-2.762	-2.822	-2.113		
15.0	15.0	-0.600	-1.238	-2.453	-2.453	-1.023		
20.0	20.0	-0.317	-0.900	-0.600	-0.707	-1.774		
25.0	25.0	-0.027	-0.590	-0.300	-0.400	-1.700		
30.0	30.0	-0.210	-0.270	-0.137	-0.370	-1.600		
35.0	35.0	-0.441	-0.040	-0.000	-0.141	-1.374		
40.0	40.0	-0.620	-0.293	-0.043	-0.043	-2.020		
45.0	45.0	-0.823	-0.500	-0.112	-0.102	-0.453		
50.0	50.0	-1.014	-0.640	-0.270	-0.310	-0.800		
55.0	55.0	-1.200	-0.800	-0.420	-0.420	-0.800		
60.0	60.0	-1.430	-1.010	-0.500	-0.700	-0.800		
65.0	65.0	-1.610	-1.110	-0.370	-0.900	-0.800		
70.0	70.0	-1.800	-1.240	-0.290	-1.000	-0.800		
75.0	75.0	-2.000	-1.400	-0.140	-1.100	-0.800		
80.0	80.0	-2.200	-1.590	-0.000	-1.200	-0.800		
85.0	85.0	-2.410	-1.800	0.130	-1.300	-0.800		
90.0	90.0	-2.610	-2.000	0.270	-1.400	-0.800		
95.0	95.0	-2.810	-2.200	0.400	-1.500	-0.800		
100.0	100.0	-3.010	-2.400	0.540	-1.600	-0.800		

MING PRESSURE COEFFICIENTS

MIN 220	POINT 1	ALPHA	0.00	PSI	-5.01	HEIGHT	00.01	
1/C	%	BP 2	BP 0	BP 12	BP 16	BP 22		
0.0	0.0	-2.200	-3.410	-2.263	-2.810	-2.021		
2.5	2.5	-1.417	-2.026	-2.035	-1.800	-1.710		
5.0	5.0	-1.240	-2.040	-2.000	-1.820	-1.770		
10.0	10.0	-0.940	-0.940	-2.762	-2.822	-2.113		
15.0	15.0	-0.600	-1.238	-2.453	-2.453	-1.023		
20.0	20.0	-0.317	-0.900	-0.600	-0.707	-1.774		
25.0	25.0	-0.027	-0.590	-0.300	-0.400	-1.700		
30.0	30.0	-0.210	-0.270	-0.137	-0.370	-1.600		
35.0	35.0	-0.441	-0.040	-0.000	-0.141	-1.374		
40.0	40.0	-0.620	-0.293	-0.043	-0.043	-2.020		
45.0	45.0	-0.823	-0.500	-0.112	-0.102	-0.453		
50.0	50.0	-1.014	-0.640	-0.270	-0.310	-0.800		
55.0	55.0	-1.200	-0.800	-0.420	-0.420	-0.800		
60.0	60.0	-1.430	-1.010	-0.500	-0.700	-0.800		
65.0	65.0	-1.610	-1.110	-0.370	-0.900	-0.800		
70.0	70.0	-1.800	-1.240	-0.290	-1.000	-0.800		
75.0	75.0	-2.000	-1.400	-0.140	-1.100	-0.800		
80.0	80.0	-2.200	-1.590	-0.000	-1.200	-0.800		
85.0	85.0	-2.410	-1.800	0.130	-1.300	-0.800		
90.0	90.0	-2.610	-2.000	0.270	-1.400	-0.800		
95.0	95.0	-2.810	-2.200	0.400	-1.500	-0.800		
100.0	100.0	-3.010	-2.400	0.540	-1.600	-0.800		

MING PRESSURE COEFFICIENTS

MIN 220	POINT 2	ALPHA	0.07	PSI	-5.01	HEIGHT	40.00	
1/C	%	BP 2	BP 0	BP 12	BP 16	BP 22		
0.0	0.0	-2.200	-3.410	-2.263	-2.810	-2.021		
2.5	2.5	-1.417	-2.026	-2.035	-1.800	-1.710		
5.0	5.0	-1.240	-2.040	-2.000	-1.820	-1.770		
10.0	10.0	-0.940	-0.940	-2.762	-2.822	-2.113		
15.0	15.0	-0.600	-1.238	-2.453	-2.453	-1.023		
20.0	20.0	-0.317	-0.900	-0.600	-0.707	-1.774		
25.0	25.0	-0.027	-0.590	-0.300	-0.400	-1.700		
30.0	30.0	-0.210	-0.270	-0.137	-0.370	-1.600		
35.0	35.0	-0.441	-0.040	-0.000	-0.141	-1.374		
40.0	40.0	-0.620	-0.293	-0.043	-0.043	-2.020		
45.0	45.0	-0.823	-0.500	-0.112	-0.102	-0.453		
50.0	50.0	-1.014	-0.640	-0.270	-0.310	-0.800		
55.0	55.0	-1.200	-0.800	-0.420	-0.420	-0.800		
60.0	60.0	-1.430	-1.010	-0.500	-0.700	-0.800		
65.0	65.0	-1.610	-1.110	-0.370	-0.900	-0.800		
70.0	70.0	-1.800	-1.240	-0.290	-1.000	-0.800		
75.0	75.0	-2.000	-1.400	-0.140	-1.100	-0.800		
80.0	80.0	-2.200	-1.590	-0.000	-1.200	-0.800		
85.0	85.0	-2.410	-1.800	0.130	-1.300	-0.800		
90.0	90.0	-2.610	-2.000	0.270	-1.400	-0.800		
95.0	95.0	-2.810	-2.200	0.400	-1.500	-0.800		
100.0	100.0	-3.010	-2.400	0.540	-1.600	-0.800		

MINE PRESSURE COEFFICIENTS

MINE 220 POINT 2 ALPHA		0.00 PSI		-5.01 HEIGHT 00.03		BP 2		BP 6		BP 12		BP 16		BP 22	
I/C, %		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
2.5	0.0	-2.200	-2.014	-2.220	-2.240	-2.251	-2.264	-2.270	-2.276	-2.280	-2.284	-2.288	-2.292	-2.296	-2.300
5.0	0.0	-1.400	-1.234	-1.400	-1.373	-1.373	-1.346	-1.346	-1.319	-1.319	-1.292	-1.292	-1.265	-1.265	-1.238
10.0	0.0	-0.940	-0.874	-0.940	-0.917	-0.917	-0.890	-0.890	-0.863	-0.863	-0.836	-0.836	-0.809	-0.809	-0.782
15.0	0.0	-0.631	-0.604	-0.631	-0.604	-0.604	-0.577	-0.577	-0.550	-0.550	-0.523	-0.523	-0.496	-0.496	-0.469
20.0	0.0	-0.400	-0.373	-0.400	-0.373	-0.373	-0.346	-0.346	-0.319	-0.319	-0.292	-0.292	-0.265	-0.265	-0.238
25.0	0.0	-0.250	-0.223	-0.250	-0.223	-0.223	-0.196	-0.196	-0.169	-0.169	-0.142	-0.142	-0.115	-0.115	-0.088
30.0	0.0	-0.150	-0.123	-0.150	-0.123	-0.123	-0.096	-0.096	-0.069	-0.069	-0.042	-0.042	-0.015	-0.015	0.012
35.0	0.0	-0.080	-0.053	-0.080	-0.053	-0.053	-0.026	-0.026	0.001	0.001	0.028	0.028	0.055	0.055	0.082
40.0	0.0	0.000	0.027	0.000	0.027	0.027	0.054	0.054	0.081	0.081	0.108	0.108	0.135	0.135	0.162
45.0	0.0	0.080	0.107	0.080	0.107	0.107	0.134	0.134	0.161	0.161	0.188	0.188	0.215	0.215	0.242
50.0	0.0	0.160	0.187	0.160	0.187	0.187	0.214	0.214	0.241	0.241	0.268	0.268	0.295	0.295	0.322
55.0	0.0	0.240	0.267	0.240	0.267	0.267	0.294	0.294	0.321	0.321	0.348	0.348	0.375	0.375	0.402
60.0	0.0	0.320	0.347	0.320	0.347	0.347	0.374	0.374	0.401	0.401	0.428	0.428	0.455	0.455	0.482
65.0	0.0	0.400	0.427	0.400	0.427	0.427	0.454	0.454	0.481	0.481	0.508	0.508	0.535	0.535	0.562
70.0	0.0	0.480	0.507	0.480	0.507	0.507	0.534	0.534	0.561	0.561	0.588	0.588	0.615	0.615	0.642
75.0	0.0	0.560	0.587	0.560	0.587	0.587	0.614	0.614	0.641	0.641	0.668	0.668	0.695	0.695	0.722
80.0	0.0	0.640	0.667	0.640	0.667	0.667	0.694	0.694	0.721	0.721	0.748	0.748	0.775	0.775	0.802
85.0	0.0	0.720	0.747	0.720	0.747	0.747	0.774	0.774	0.801	0.801	0.828	0.828	0.855	0.855	0.882
90.0	0.0	0.800	0.827	0.800	0.827	0.827	0.854	0.854	0.881	0.881	0.908	0.908	0.935	0.935	0.962
95.0	0.0	0.880	0.907	0.880	0.907	0.907	0.934	0.934	0.961	0.961	0.988	0.988	1.015	1.015	1.042
100.0	0.0	0.960	0.987	0.960	0.987	0.987	1.014	1.014	1.041	1.041	1.068	1.068	1.095	1.095	1.122

MINE PRESSURE COEFFICIENTS

MINE 220 POINT 1 ALPHA		0.00 PSI		-5.01 HEIGHT 00.10		BP 2		BP 6		BP 12		BP 16		BP 22	
I/C, %		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
2.5	0.0	-2.200	-2.014	-2.220	-2.240	-2.251	-2.264	-2.270	-2.276	-2.280	-2.284	-2.288	-2.292	-2.296	-2.300
5.0	0.0	-1.400	-1.234	-1.400	-1.373	-1.373	-1.346	-1.346	-1.319	-1.319	-1.292	-1.292	-1.265	-1.265	-1.238
10.0	0.0	-0.940	-0.874	-0.940	-0.917	-0.917	-0.890	-0.890	-0.863	-0.863	-0.836	-0.836	-0.809	-0.809	-0.782
15.0	0.0	-0.631	-0.604	-0.631	-0.604	-0.604	-0.577	-0.577	-0.550	-0.550	-0.523	-0.523	-0.496	-0.496	-0.469
20.0	0.0	-0.400	-0.373	-0.400	-0.373	-0.373	-0.346	-0.346	-0.319	-0.319	-0.292	-0.292	-0.265	-0.265	-0.238
25.0	0.0	-0.250	-0.223	-0.250	-0.223	-0.223	-0.196	-0.196	-0.169	-0.169	-0.142	-0.142	-0.115	-0.115	-0.088
30.0	0.0	-0.150	-0.123	-0.150	-0.123	-0.123	-0.096	-0.096	-0.069	-0.069	-0.042	-0.042	-0.015	-0.015	0.012
35.0	0.0	-0.080	-0.053	-0.080	-0.053	-0.053	-0.026	-0.026	0.001	0.001	0.028	0.028	0.055	0.055	0.082
40.0	0.0	0.000	0.027	0.000	0.027	0.027	0.054	0.054	0.081	0.081	0.108	0.108	0.135	0.135	0.162
45.0	0.0	0.080	0.107	0.080	0.107	0.107	0.134	0.134	0.161	0.161	0.188	0.188	0.215	0.215	0.242
50.0	0.0	0.160	0.187	0.160	0.187	0.187	0.214	0.214	0.241	0.241	0.268	0.268	0.295	0.295	0.322
55.0	0.0	0.240	0.267	0.240	0.267	0.267	0.294	0.294	0.321	0.321	0.348	0.348	0.375	0.375	0.402
60.0	0.0	0.320	0.347	0.320	0.347	0.347	0.374	0.374	0.401	0.401	0.428	0.428	0.455	0.455	0.482
65.0	0.0	0.400	0.427	0.400	0.427	0.427	0.454	0.454	0.481	0.481	0.508	0.508	0.535	0.535	0.562
70.0	0.0	0.480	0.507	0.480	0.507	0.507	0.534	0.534	0.561	0.561	0.588	0.588	0.615	0.615	0.642
75.0	0.0	0.560	0.587	0.560	0.587	0.587	0.614	0.614	0.641	0.641	0.668	0.668	0.695	0.695	0.722
80.0	0.0	0.640	0.667	0.640	0.667	0.667	0.694	0.694	0.721	0.721	0.748	0.748	0.775	0.775	0.802
85.0	0.0	0.720	0.747	0.720	0.747	0.747	0.774	0.774	0.801	0.801	0.828	0.828	0.855	0.855	0.882
90.0	0.0	0.800	0.827	0.800	0.827	0.827	0.854	0.854	0.881	0.881	0.908	0.908	0.935	0.935	0.962
95.0	0.0	0.880	0.907	0.880	0.907	0.907	0.934	0.934	0.961	0.961	0.988	0.988	1.015	1.015	1.042
100.0	0.0	0.960	0.987	0.960	0.987	0.987	1.014	1.014	1.041	1.041	1.068	1.068	1.095	1.095	1.122

MINE 220 POINT 2 ALPHA

0.00 PSI		-5.01 HEIGHT 07.00		BP 2		BP 6		BP 12		BP 16		BP 22	
I/C, %		0.0		0.0		0.0		0.0		0.0		0.0	
2.5	0.0	-2.222	-2.037	-2.222	-2.242	-2.253	-2.266	-2.272	-2.278	-2.282	-2.286	-2.290	-2.294
5.0	0.0	-1.377	-1.201	-1.377	-1.350	-1.350	-1.323	-1.323	-1.296	-1.296	-1.269	-1.269	-1.242
10.0	0.0	-0.915	-0.849	-0.915	-0.892	-0.892	-0.865	-0.865	-0.838	-0.838	-0.811	-0.811	-0.784
15.0	0.0	-0.722	-0.695	-0.722	-0.698	-0.698	-0.671	-0.671	-0.644	-0.644	-0.617	-0.617	-0.590
20.0	0.0	-0.440	-0.413	-0.440	-0.416	-0.416	-0.389	-0.389	-0.362	-0.362	-0.335	-0.335	-0.308
25.0	0.0	-0.250	-0.223	-0.250	-0.226	-0.226	-0.199	-0.199	-0.172	-0.172	-0.145	-0.145	-0.118
30.0	0.0	-0.150	-0.123	-0.150	-0.129	-0.129	-0.102	-0.102	-0.075	-0.075	-0.048	-0.048	-0.021
35.0	0.0	-0.080	-0.053	-0.080	-0.060	-0.060	-0.033	-0.033	0.004	0.004	0.031	0.031	0.058
40.0	0.0	0.000	0.027	0.000	0.030	0.030	0.057	0.057	0.084	0.084	0.111	0.111	0.138
45.0	0.0	0.080	0.107	0.080	0.110	0.110	0.137	0.137	0.164	0.164	0.191	0.191	0.218
50.0	0.0	0.160	0.187	0.160	0.199	0.199	0.226	0.226	0.253	0.253	0.280	0.280	0.307
55.0	0.0	0.240	0.267	0.240	0.280	0.280	0.307	0.307	0.334	0.334	0.361	0.361	0.388
60.0	0.0	0.320	0.347	0.320	0.357	0.357	0.384	0.384	0.411	0.411	0.438	0.438	0.465
65.0	0.0	0.400	0.427	0.400	0.437	0.437	0.464	0.464	0.491	0.491	0.518	0.518	0.545
70.0	0.0	0.480	0.507	0.480	0.514	0.514	0.541	0.541	0.568	0.568	0.595	0.595	0.622
75.0	0.0	0.560	0.587	0.560	0.594	0.594	0.621	0.621	0.648	0.648	0.675	0.675	0.702
80.0	0.0	0.640	0.667	0.640	0.674	0.674	0.701	0.701	0.728	0.728	0.755	0.755	0.782
85.0	0.0	0.720	0.747	0.720	0.754	0.754	0.781	0.781	0.808	0.808	0.835	0.835	0.862
90.0	0.0	0.800	0.827	0.800	0.831	0.831	0.858	0.858	0.885	0.885	0.912	0.912	0.939
95.0	0.0	0.880	0.907	0.880	0.910	0.910	0.937	0.937	0.964	0.964	0.991	0.991	1.018
100.0	0.0	0.960	0.987	0.960	0.994	0.994	1.021	1.021	1.048	1.048	1.075	1.075	1.102

MINE 220 POINT 2 ALPHA

SUM 330 POINT 2 ALPHAS 0.00 PSI		-5.01 HEIGHT 00.01		BP 2		BP 6		BP 12		BP 16		BP 22	
I/C, %		0.00		0.00		0.00		0.00		0.00		0.00	
0.0	0.00000	-2.304	-2.700	-2.304	-2.700	-2.304	-2.700	-2.304	-2.700	-2.304	-2.700	-2.304	-2.700
2.5	0.00000	-1.470	-2.250	-1.470	-2.250	-1.470	-2.250	-1.470	-2.250	-1.470	-2.250	-1.470	-2.250
5.0	0.00000	-1.120	-1.750	-1.120	-1.750	-1.120	-1.750	-1.120	-1.750	-1.120	-1.750	-1.120	-1.750
10.0	0.00000	-0.700	-1.000	-0.700	-1.000	-0.700	-1.000	-0.700	-1.000	-0.700	-1.000	-0.700	-1.000
15.0	0.00000	-0.470	-0.650	-0.470	-0.650	-0.470	-0.650	-0.470	-0.650	-0.470	-0.650	-0.470	-0.650
20.0	0.00000	-0.300	-0.400	-0.300	-0.400	-0.300	-0.400	-0.300	-0.400	-0.300	-0.400	-0.300	-0.400
25.0	0.00000	-0.200	-0.250	-0.200	-0.250	-0.200	-0.250	-0.200	-0.250	-0.200	-0.250	-0.200	-0.250
30.0	0.00000	-0.150	-0.175	-0.150	-0.175	-0.150	-0.175	-0.150	-0.175	-0.150	-0.175	-0.150	-0.175
35.0	0.00000	-0.100	-0.125	-0.100	-0.125	-0.100	-0.125	-0.100	-0.125	-0.100	-0.125	-0.100	-0.125
40.0	0.00000	-0.075	-0.094	-0.075	-0.094	-0.075	-0.094	-0.075	-0.094	-0.075	-0.094	-0.075	-0.094
45.0	0.00000	-0.050	-0.063	-0.050	-0.063	-0.050	-0.063	-0.050	-0.063	-0.050	-0.063	-0.050	-0.063
50.0	0.00000	-0.038	-0.047	-0.038	-0.047	-0.038	-0.047	-0.038	-0.047	-0.038	-0.047	-0.038	-0.047
55.0	0.00000	-0.028	-0.035	-0.028	-0.035	-0.028	-0.035	-0.028	-0.035	-0.028	-0.035	-0.028	-0.035
60.0	0.00000	-0.020	-0.025	-0.020	-0.025	-0.020	-0.025	-0.020	-0.025	-0.020	-0.025	-0.020	-0.025
65.0	0.00000	-0.015	-0.019	-0.015	-0.019	-0.015	-0.019	-0.015	-0.019	-0.015	-0.019	-0.015	-0.019
70.0	0.00000	-0.011	-0.014	-0.011	-0.014	-0.011	-0.014	-0.011	-0.014	-0.011	-0.014	-0.011	-0.014
75.0	0.00000	-0.008	-0.010	-0.008	-0.010	-0.008	-0.010	-0.008	-0.010	-0.008	-0.010	-0.008	-0.010
80.0	0.00000	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007	-0.006	-0.007
85.0	0.00000	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005	-0.004	-0.005
90.0	0.00000	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
95.0	0.00000	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
100.0	0.00000	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001

MINE PRESSURE COEFFICIENTS

MINE 330 POINT 3 ALPHA 0.00 PSI -0.01 HEIGHT 00.72									
L/C	BP 2	BP 3	BP 6	BP 12	BP 16	BP 22	L/C	BP 2	BP 3
0.0	-2.220	-2.012	-2.126	-2.000	-1.814	-0.000	0.0	0.430	0.122
2.5	-1.441	-1.083	-2.166	-2.700	-1.080	-0.000	2.5	-0.200	-0.427
5.0	-1.141	-1.311	-1.900	-2.327	-1.531	-0.000	5.0	-0.370	-0.417
10.0	-0.910	-0.087	-1.970	-2.316	-1.754	-0.000	10.0	-0.340	-0.300
15.0	-0.723	-0.010	-1.120	-1.370	-1.440	-0.000	15.0	-0.330	-0.310
20.0	-0.822	-0.020	-0.044	-0.943	-1.012	-0.000	20.0	-0.490	-0.440
25.0	-0.000	-0.767	-0.000	-0.710	-1.012	-0.000	25.0	-0.200	-0.420
30.0	-0.000	-0.020	-0.000	-1.447	-1.421	-0.000	30.0	-0.413	-0.373
35.0	-0.145	-2.000	-1.120	-0.320	-1.100	-0.000	35.0	-0.040	-2.031
40.0	-0.100	-2.000	-1.770	-1.500	-2.500	-0.000	40.0	-0.107	-1.560
45.0	-0.510	-0.491	-1.063	-1.022	-1.420	-0.000	45.0	-0.001	-0.563
50.0	-0.704	-0.024	-1.000	-1.000	-0.412	-0.000	50.0	-0.200	-0.300
55.0	-2.713	-1.745	-1.000	-1.000	-1.010	-0.000	55.0	-1.701	-1.553
60.0	-1.100	-2.011	-0.030	-0.000	-1.500	-0.000	60.0	-0.070	-0.474
65.0	-0.501	-0.100	-0.143	-0.000	-1.000	-0.000	65.0	-0.100	-0.000
70.0	-0.102	-2.010	-1.007	-1.700	-1.020	-0.000	70.0	-0.100	-0.000
75.0	-1.100	-1.000	-1.000	-1.000	-1.000	-0.000	75.0	-0.100	-0.000
80.0	-0.000	-0.000	-1.000	-1.000	-1.000	-0.000	80.0	-0.100	-0.000
85.0	-0.000	-0.000	-1.000	-1.000	-1.000	-0.000	85.0	-0.100	-0.000
90.0	-0.000	-0.000	-1.000	-1.000	-1.000	-0.000	90.0	-0.100	-0.000
95.0	-0.000	-0.000	-1.000	-1.000	-1.000	-0.000	95.0	-0.100	-0.000
100.0	-0.000	-0.000	-1.000	-1.000	-1.000	-0.000	100.0	-0.100	-0.000

MINE 331 POINT 3 ALPHA -0.01 PSI 0.00 HEIGHT 00.81									
L/C	BP 2	BP 3	BP 6	BP 12	BP 16	BP 22	L/C	BP 2	BP 3
0.0	0.250	-0.032	-0.545	-1.000	-1.200	-0.000	0.0	0.401	0.251
2.5	-0.415	-0.517	-0.830	-1.201	-1.247	-0.000	2.5	-0.230	-0.200
5.0	-0.410	-0.475	-0.864	-0.874	-0.730	-0.000	5.0	-0.300	-0.407
10.0	-0.200	-0.403	-0.631	-0.087	-0.763	-0.000	10.0	-0.240	-0.353
15.0	-0.363	-0.520	-0.430	-0.044	-0.442	-0.000	15.0	-0.230	-0.315
20.0	-0.474	-0.472	-0.415	-0.007	-0.540	-0.000	20.0	-0.470	-0.400
25.0	-0.410	-0.400	-0.440	-0.537	-0.510	-0.000	25.0	-0.410	-0.454
30.0	-0.410	-0.400	-0.440	-0.537	-0.510	-0.000	30.0	-0.400	-0.500
35.0	-0.425	-1.003	-0.824	-1.440	-0.311	-0.000	35.0	-0.400	-0.400
40.0	-0.077	-2.100	-1.502	-0.702	-0.370	-0.000	40.0	-0.100	-2.000
45.0	-0.153	-0.170	-0.000	-1.011	-0.370	-0.000	45.0	-0.100	-2.000
50.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	50.0	-0.100	-2.000
55.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	55.0	-0.100	-2.000
60.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	60.0	-0.100	-2.000
65.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	65.0	-0.100	-2.000
70.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	70.0	-0.100	-2.000
75.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	75.0	-0.100	-2.000
80.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	80.0	-0.100	-2.000
85.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	85.0	-0.100	-2.000
90.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	90.0	-0.100	-2.000
95.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	95.0	-0.100	-2.000
100.0	-0.148	-0.170	-0.000	-1.011	-0.370	-0.000	100.0	-0.100	-2.000

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NAME	333	POINT	Y	ALPHA	2.31	P51	-5.01	HEIGHT	68.53
	1/4"	5	2	6	12	18	24	30	36
0.0	0.0000	-1.010	-2.448	-2.563	-2.515	-2.515	-1.423		
2.5	-1.051	-1.094	-1.094	-1.196	-1.517	-1.116			
5.0	-0.881	-0.872	-0.872	-1.007	-1.000	-0.920			
10.0	-0.686	-0.685	-0.685	-1.007	-1.000	-1.148			
15.0	-0.517	-0.749	-0.749	-0.977	-1.178	-0.889			
20.0	-0.393	-0.574	-0.574	-0.923	-0.750	-0.940			
25.0	-0.488	-0.541	-0.541	-0.479	-0.430	-0.660			
30.0	-0.282	-0.460	-0.460	-0.500	-1.070	-0.517			
35.0	-0.076	-0.427	-0.427	-0.583	-0.467	-0.566			
40.0	-0.137	-0.083	-0.083	-0.606	-0.700	-0.887			
45.0	-0.086	-0.374	-0.374	-1.195	-0.583	-1.446			
50.0	-0.773	-0.513	-0.513	-0.294	-1.027	-0.408			
55.0	-1.327	-1.814	-1.814	-1.885	-1.581	-1.973			
60.0	-1.559	-0.317	-0.317	-0.916	-1.581	-1.088			
65.0	-0.813	-1.019	-1.019	-0.708	-1.088	-1.179			
70.0	-0.952	-0.515	-0.515	-0.494	-0.583	-0.513			
75.0	-0.816	-0.338	-0.338	-0.777	-0.583	-0.827			
80.0	-0.620	-0.520	-0.520	-0.906	-0.886	-0.817			
85.0	-0.508	-0.280	-0.280	-0.940	-0.940	-0.923			
90.0	-0.450	-0.571	-0.571	-0.420	-0.316	-0.483			
2.0	0.000	-0.484	-0.484	-0.400	-0.309	-0.343			
5.0	0.313	-0.576	-0.576	-0.383	-0.430	-0.193			
10.0	0.430	-0.918	-0.918	-0.263	-0.607	-0.120			
15.0	0.162	-0.282	-0.282	-0.707	-0.260	-0.095			
20.0	0.279	-0.230	-0.230	-0.329	-0.190	-1.033			
25.0	0.376	-0.291	-0.291	-0.389	-0.190	-1.033			
30.0	-0.156	-0.566	-0.566	-0.473	-0.571	-0.603			
35.0	-0.053	-0.440	-0.440	-0.506	-0.270	-0.140			
40.0	0.010	-0.247	-0.247	-0.437	-0.270	-0.140			

WAVELENGTH	POINT 1	3 ALPHEA	0.01 PSI	-0.01 WEIGHT	07.00
WAVELENGTH	POINT 1	3 ALPHEA	0.01 PSI	-0.01 WEIGHT	07.00
2.0	-1.330	-2.360	-2.419	-3.091	-1.411
2.5	-1.010	-1.260	-1.793	-1.060	-1.140
3.0	-0.663	-0.944	-1.430	-0.901	-0.900
3.5	-0.660	-0.622	-0.977	-1.071	-0.900
4.0	-0.544	-0.713	-0.530	-0.660	-0.660
4.5	-0.507	-0.543	-0.560	-0.675	-0.660
5.0	-0.461	-0.466	-0.464	-0.470	-0.524
5.5	-0.370	-0.269	-0.460	-1.160	-0.560
6.0	-0.073	-0.460	-0.300	-0.470	-0.371
6.5	-0.131	-0.375	-0.016	-0.037	-0.119
7.0	-0.372	-0.260	-1.770	-0.534	-0.310
7.5	-0.770	-0.083	-0.203	-1.563	-0.340
8.0	-1.514	-1.510	-1.004	-1.538	-1.070
8.5	-1.776	-0.260	-0.187	-1.160	-1.177
9.0	-0.567	-0.077	-0.657	-1.118	-0.680
9.5	-0.490	-0.072	-0.704	-0.900	-0.680
10.0	-0.490	-0.400	-0.070	-0.600	-0.900
10.5	-0.090	-0.161	-0.333	-0.765	-0.900
11.0	-0.040	-0.261	-0.330	-0.760	-0.700
11.5	-0.040	-0.040	-0.470	-0.541	-0.470
12.0	-0.077	-0.370	-0.422	-0.231	-0.372
12.5	-0.487	-0.570	-0.400	-0.304	-0.240
13.0	-0.323	-0.400	-0.602	-0.300	-0.187
13.5	-0.449	-0.937	-0.300	-0.332	-0.187
14.0	-0.197	-0.390	-0.370	-0.104	-0.104
14.5	-0.223	-0.223	-0.270	-0.200	-0.044
15.0	-0.270	-0.260	-0.270	-0.122	-1.163
15.5	-0.375	-0.260	-0.370	-0.001	-0.240
16.0	-0.141	-0.949	-0.370	-0.970	-0.371
16.5	-0.060	-0.441	-0.441	-0.942	-0.165
17.0	-0.060	-0.261	-0.440	-0.261	-0.165

WING PATTERN COLLECTIONS

[illegible]

NAME	333	POINT	1	ALPHA	0.03	P61	0	0	12	16	51
L/C	%		0	2	0	0	0	0	0	0	0
		REPORT No									
0	0		-1.400		-2.517			-2.376	-2.846	-1.454	
2	5		-0.971	-1.700	-1.700			-3.376	-2.376	-1.156	
5	0		-0.667	-0.667	-0.667	-0.667		-1.264	-1.264	-0.974	
10	0		-0.664	-0.664	-0.663	-0.663	-0.663	-1.076	-1.766	-0.776	
15	0		-0.542	-0.745	-0.745	-0.745	-0.745	-0.540	-0.667	-0.564	
20	4		-0.013	-0.540	-0.540	-0.540	-0.540	-0.360	-0.760	-0.976	
25	0		-0.404	-0.404	-0.404	-0.404	-0.404	-0.500	-0.500	-0.302	
30	4		-0.200	-0.200	-0.200	-0.200	-0.200	-0.564	-1.454	-0.581	
35	0		-0.600	-0.600	-0.610	-0.610	-0.610	-0.376	-0.400	-0.521	
40	0		-0.121	-0.121	-0.121	-0.121	-0.121	-0.320	-0.800	-0.520	
45	7		-0.955	-0.255	-0.255	-0.255	-0.255	-1.766	-0.551	-1.430	
50	0		-0.776	-0.660	-0.660	-0.660	-0.660	-0.833	-1.544	-0.376	
55	0		-1.163	-1.003	-1.003	-1.003	-1.003	-1.446	-1.946	-1.567	
60	0		-0.930	-0.757	-0.757	-0.757	-0.757	-0.190	-1.116	-1.160	
65	0		-0.654	-0.534	-0.534	-0.534	-0.534	-0.350	-0.918	-0.332	
70	0		-0.459	-0.356	-0.356	-0.356	-0.356	-0.172	-0.521	-0.325	
75	0		-0.297	-0.406	-0.406	-0.406	-0.406	-0.477	-0.667	-0.667	
80	0		-0.061	-0.118	-0.118	-0.118	-0.118	-0.320	-0.760	-0.954	
85	0		-0.641	-0.248	-0.248	-0.248	-0.248	-0.846	-0.646	-0.686	
90	0		-0.487	-0.300	-0.300	-0.300	-0.300	-0.422	-0.540	-0.521	
100	0		-0.487	-0.317	-0.317	-0.317	-0.317	-0.272	-0.315	-0.441	
2	5	(L CMT) 2									
5	0		0.323	0.491	0.491	0.491	0.491	0.566	0.360	0.360	
10	0		0.950	0.560	0.560	0.560	0.560	0.400	0.400	0.710	
15	0		0.700	0.307	0.307	0.307	0.307	0.276	0.118	0.164	
20	4		0.304	0.349	0.349	0.349	0.349	0.222	0.274	0.045	
25	0		0.324	0.200	0.200	0.200	0.200	0.266	0.141	1.900	
30	4		-0.150	0.556	0.556	0.556	0.556	0.780	0.662	0.220	
35	0		0.057	0.265	0.265	0.265	0.265	-0.596	0.500	0.462	
40	0		0.822	0.265	0.265	0.265	0.265	0.641	0.275	0.120	

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[illegible]

NAME	S30	POINT	1	ALPHA	-0.39	PSI	0.00	DEGREE	10.20
	R/C	%	BP 2	BP 5	BP 12	BP 16	BP 22		
0.0	(HAPPEL)	0.439	-0.371	-1.617	-2.200	-3.272			
2.5	-0.576	-0.436	-1.105	-1.600	-2.257				
5.0	-0.402	-0.681	-0.991	-1.152	-1.484				
10.0	-0.475	-0.810	-0.812	-0.993	-1.040				
15.0	-0.454	-0.551	-0.710	-0.742	-0.884				
20.0	-0.451	-0.534	-0.648	-0.675	-0.776				
25.0	-0.450	-0.538	-0.663	-0.727	-0.763				
30.0	-0.429	-0.735	-0.873	-2.184	-1.060				
35.0	-0.418	-1.260	-1.316	-1.445	-1.554				
40.0	-0.198	-3.278	-3.823	-4.371	-4.735				
45.0	-0.556	-39.543	-39.660	-44.329	-38.050				
50.0	-4.012	-6.289	-4.745	-10.320	-9.123				
55.0	-2.530	-1.127	-4.021	-5.156	-7.455				
60.0	-0.820	-2.883	-0.283	-4.168	-5.251				
65.0	-2.980	-2.664	-3.500	-2.319	-4.365				
70.0	-0.750	-2.275	-2.186	-2.431	-3.145				
75.0	-0.582	-1.264	-2.453	-2.431	-2.417				
80.0	-0.487	-0.648	-0.632	-1.858	-3.114				
85.0	-0.327	-0.558	-0.730	-0.958	-3.134				
90.0	-0.130	-0.077	-0.191	-0.161	-0.064				
100.0	2.0	0.497	0.470	0.526	0.514	0.448			
0.0	(LANGE)	0.375	0.397	0.441	0.471	0.426			
5.0	0.276	0.412	0.384	0.405	0.324				
10.0	0.261	0.350	0.346	0.318	0.197				
15.0	0.243	0.268	0.301	0.320	0.097				
20.0	0.448	0.471	0.480	0.497	0.643				
25.0	0.609	0.702	0.836	0.791	0.216				
30.0	0.837	0.820	-3.620	0.520	0.156				
35.0	0.584	0.218	0.473	0.541	0.170				

MAN 338	POINT	4 ALPHA	-0.02 PSI	0.00 HEIGHT	BP 10	BP 16	BP 22
R/C	%	BP 3	BP 6	BP 12	BP 18	BP 24	BP 30
0	(SUPPER)	0.232	-0.161	-0.681	-1.388	-2.280	-3.280
2.5	-0.935	-0.710	-1.237	-1.938	-2.780	-3.680	-4.680
5	-0.477	-0.884	-0.884	-1.328	-1.938	-2.540	-3.140
10	-0.501	-0.603	-0.603	-0.918	-1.328	-1.916	-2.516
15	-0.560	-0.588	-0.728	-0.988	-1.328	-1.988	-2.588
20	-0.488	-0.581	-0.688	-0.788	-1.328	-1.888	-2.488
30	-0.510	-0.588	-0.725	-0.778	-1.328	-1.888	-2.488
40	-0.548	-0.688	-0.981	-0.778	-1.328	-1.888	-2.488
50	-0.688	-1.377	-1.478	-1.680	-1.781	-1.881	-1.981
60	-0.974	-3.180	-4.361	-4.751	-5.012	-5.273	-5.534
70	-3.753	-8.182	-10.770	-12.954	-15.136	-17.318	-19.500
80	-3.853	-7.555	-9.248	-10.787	-12.969	-15.151	-17.333
90	-3.456	-1.188	-4.385	-5.482	-6.579	-7.676	-8.773
100	-1.378	-3.324	-4.681	-5.538	-6.395	-7.252	-8.109
2.5	-3.116	-3.250	-3.343	-3.436	-3.529	-3.622	-3.715
5	-3.116	-3.250	-3.343	-3.436	-3.529	-3.622	-3.715
10	-0.462	-1.731	-2.588	-3.184	-3.622	-4.056	-4.490
15	-0.462	-1.731	-2.588	-3.184	-3.622	-4.056	-4.490
20	-0.811	-1.050	-1.111	-1.088	-1.065	-1.042	-1.019
25	-1.209	-0.818	-0.687	-0.556	-0.425	-0.294	-0.163
30	-0.276	-0.310	-0.273	-0.236	-0.199	-0.162	-0.125
35	0.237	-0.219	-0.273	-0.236	-0.199	-0.162	-0.125
40	0.176	-0.273	-0.273	-0.236	-0.199	-0.162	-0.125
45	0.145	-0.181	-0.231	-0.236	-0.199	-0.162	-0.125
50	0.180	-0.231	-0.236	-0.199	-0.162	-0.125	-0.088
55	0.344	-0.395	-0.441	-0.395	-0.348	-0.294	-0.240
60	0.587	-0.831	-0.844	-0.844	-0.844	-0.844	-0.844
65	0.585	-0.618	-0.448	-0.395	-0.348	-0.294	-0.240
70	0.585	-0.718	-0.807	-0.844	-0.844	-0.844	-0.844

RAW 330 POINT	2 ALPHA	-0.04 PSI	0.00 HEIGHT	BP 16	BP 22
1/C. %	BP 2	BP 4	BP 12	BP 16	BP 22
WUPPER					
0.0	-0.165	-0.437	-1.377	-2.062	-3.026
2.5	-0.081	-0.263	-1.127	-1.464	-1.910
5.0	-0.011	-0.063	-0.859	-1.151	-1.391
10.0	-0.016	-0.040	-0.832	-0.977	-1.081
15.0	-0.085	-0.373	-0.754	-0.877	-0.930
20.0	-0.086	-0.515	-0.666	-0.768	-0.825
25.0	-0.503	-0.564	-0.718	-0.781	-0.825
30.0	-0.505	-0.628	-0.864	-0.785	-0.825
35.0	-0.016	-1.337	-1.442	-1.587	-1.776
40.0	-0.004	-1.064	-1.276	-1.664	-1.884
45.0	-0.043	-0.858	-1.087	-1.534	-1.742
50.0	-0.128	-0.717	-0.907	-1.674	-1.919
55.0	-0.181	-1.136	-1.360	-1.873	-2.007
60.0	-1.157	-3.166	-3.612	-4.400	-4.560
65.0	-2.533	-3.145	-3.828	-3.568	-4.513
70.0	-0.761	-2.657	-2.693	-2.818	-3.314
75.0	-1.038	-1.835	-2.732	-2.164	-2.542
80.0	-0.860	-0.933	-1.947	-2.058	-0.608
85.0	-1.175	-0.723	-0.411	-1.104	-3.225
90.0	-0.199	-0.453	-0.687	-0.684	-0.582
95.0	-0.358	-0.423	-0.491	-0.506	-0.478
100.0	-0.318	-0.286	-0.383	-0.448	-0.418
5.0	0.264	0.356	0.303	0.273	0.310
10.0	0.224	0.260	0.302	0.293	0.187
15.0	0.205	0.200	0.338	0.344	-0.003
20.0	0.388	0.452	0.408	0.279	0.603
25.0	0.612	0.678	0.647	0.605	0.718
30.0	0.700	0.680	-3.533	0.843	0.449
35.0	0.616	0.747	0.724	0.859	0.259

WING PRESSURE COEFFICIENTS

RUN 330 POINT 1 ALPHA 0.00 PSI 0.00 HEIGHT 20.00	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (UPPER)	-0.223	-1.042	-2.387	-3.268	-2.735
2.5	-0.754	-0.837	-1.509	-1.971	-2.260
5.0	-2.811	-0.710	-1.188	-1.415	-2.061
10.0	-0.982	-0.750	-0.885	-1.157	-1.744
15.0	-0.848	-0.882	-0.881	-1.018	-1.585
20.0	-0.558	-0.854	-0.844	-0.910	-1.388
25.0	-0.341	-0.854	-0.811	-0.885	-1.285
30.0	-0.888	-0.887	-1.013	-1.475	-1.248
35.0	-0.880	-1.440	-1.311	-1.884	-1.248
40.0	-0.880	-1.440	-1.311	-1.884	-1.248
45.0	-0.880	-1.440	-1.311	-1.884	-1.248
50.0	-0.880	-1.440	-1.311	-1.884	-1.248
55.0	-0.880	-1.440	-1.311	-1.884	-1.248
60.0	-0.880	-1.440	-1.311	-1.884	-1.248
65.0	-0.880	-1.440	-1.311	-1.884	-1.248
70.0	-0.880	-1.440	-1.311	-1.884	-1.248
75.0	-0.880	-1.440	-1.311	-1.884	-1.248
80.0	-0.880	-1.440	-1.311	-1.884	-1.248
85.0	-0.880	-1.440	-1.311	-1.884	-1.248
90.0	-0.880	-1.440	-1.311	-1.884	-1.248
95.0	-0.880	-1.440	-1.311	-1.884	-1.248
100.0	-0.880	-1.440	-1.311	-1.884	-1.248
2.5 (LOWER)	-0.828	-0.878	-1.054	-1.474	-1.403
5.0	-0.381	-0.352	-0.418	-0.458	-0.374
10.0	-0.317	-0.320	-0.381	-0.381	-0.364
15.0	-0.274	-0.307	-0.316	-0.260	-0.117
20.0	-0.265	-0.308	-0.288	-0.287	-0.025
25.0	-0.265	-0.308	-0.288	-0.244	-0.438
30.0	-0.265	-0.308	-0.288	-0.244	-0.438
35.0	-0.265	-0.308	-0.288	-0.244	-0.438
40.0	-0.265	-0.308	-0.288	-0.244	-0.438
45.0	-0.265	-0.308	-0.288	-0.244	-0.438
50.0	-0.265	-0.308	-0.288	-0.244	-0.438
55.0	-0.265	-0.308	-0.288	-0.244	-0.438
60.0	-0.265	-0.308	-0.288	-0.244	-0.438
65.0	-0.265	-0.308	-0.288	-0.244	-0.438
70.0	-0.265	-0.308	-0.288	-0.244	-0.438
75.0	-0.265	-0.308	-0.288	-0.244	-0.438
80.0	-0.265	-0.308	-0.288	-0.244	-0.438
85.0	-0.265	-0.308	-0.288	-0.244	-0.438
90.0	-0.265	-0.308	-0.288	-0.244	-0.438
95.0	-0.265	-0.308	-0.288	-0.244	-0.438
100.0	-0.265	-0.308	-0.288	-0.244	-0.438

WING PRESSURE COEFFICIENTS

RUN 330 POINT 1 ALPHA 0.00 PSI 0.00 HEIGHT 20.00	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (UPPER)	-0.223	-1.042	-2.387	-3.268	-2.735
2.5	-0.754	-0.837	-1.509	-1.971	-2.260
5.0	-2.811	-0.710	-1.188	-1.415	-2.061
10.0	-0.982	-0.750	-0.885	-1.157	-1.744
15.0	-0.848	-0.882	-0.881	-1.018	-1.585
20.0	-0.558	-0.854	-0.844	-0.910	-1.388
25.0	-0.341	-0.854	-0.811	-0.885	-1.285
30.0	-0.888	-0.887	-1.013	-1.475	-1.248
35.0	-0.880	-1.440	-1.311	-1.884	-1.248
40.0	-0.880	-1.440	-1.311	-1.884	-1.248
45.0	-0.880	-1.440	-1.311	-1.884	-1.248
50.0	-0.880	-1.440	-1.311	-1.884	-1.248
55.0	-0.880	-1.440	-1.311	-1.884	-1.248
60.0	-0.880	-1.440	-1.311	-1.884	-1.248
65.0	-0.880	-1.440	-1.311	-1.884	-1.248
70.0	-0.880	-1.440	-1.311	-1.884	-1.248
75.0	-0.880	-1.440	-1.311	-1.884	-1.248
80.0	-0.880	-1.440	-1.311	-1.884	-1.248
85.0	-0.880	-1.440	-1.311	-1.884	-1.248
90.0	-0.880	-1.440	-1.311	-1.884	-1.248
95.0	-0.880	-1.440	-1.311	-1.884	-1.248
100.0	-0.880	-1.440	-1.311	-1.884	-1.248
2.5 (LOWER)	-0.828	-0.878	-1.054	-1.474	-1.403
5.0	-0.381	-0.352	-0.418	-0.458	-0.374
10.0	-0.317	-0.320	-0.381	-0.381	-0.364
15.0	-0.274	-0.307	-0.316	-0.260	-0.117
20.0	-0.265	-0.308	-0.288	-0.287	-0.025
25.0	-0.265	-0.308	-0.288	-0.244	-0.438
30.0	-0.265	-0.308	-0.288	-0.244	-0.438
35.0	-0.265	-0.308	-0.288	-0.244	-0.438
40.0	-0.265	-0.308	-0.288	-0.244	-0.438
45.0	-0.265	-0.308	-0.288	-0.244	-0.438
50.0	-0.265	-0.308	-0.288	-0.244	-0.438
55.0	-0.265	-0.308	-0.288	-0.244	-0.438
60.0	-0.265	-0.308	-0.288	-0.244	-0.438
65.0	-0.265	-0.308	-0.288	-0.244	-0.438
70.0	-0.265	-0.308	-0.288	-0.244	-0.438
75.0	-0.265	-0.308	-0.288	-0.244	-0.438
80.0	-0.265	-0.308	-0.288	-0.244	-0.438
85.0	-0.265	-0.308	-0.288	-0.244	-0.438
90.0	-0.265	-0.308	-0.288	-0.244	-0.438
95.0	-0.265	-0.308	-0.288	-0.244	-0.438
100.0	-0.265	-0.308	-0.288	-0.244	-0.438

WING PRESSURE COEFFICIENTS

RUN 330 POINT 2 ALPHA 0.00 PSI 0.00 HEIGHT 32.81	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (UPPER)	-0.103	-0.783	-1.854	-2.815	-3.706
2.5	-0.748	-1.089	-1.390	-1.723	-2.116
5.0	-0.850	-0.889	-1.160	-1.377	-1.769
10.0	-0.820	-0.767	-0.989	-1.168	-1.283
15.0	-0.588	-0.712	-0.804	-1.053	-1.025
20.0	-0.821	-0.720	-0.837	-0.887	-0.888
25.0	-0.808	-0.727	-0.866	-0.944	-0.955
30.0	-0.800	-0.712	-0.896	-0.944	-0.955
35.0	-0.800	-0.712	-0.896	-0.944	-0.955
40.0	-0.800	-0.712	-0.896	-0.944	-0.955
45.0	-0.800	-0.712	-0.896	-0.944	-0.955
50.0	-0.800	-0.712	-0.896	-0.944	-0.955
55.0	-0.800	-0.712	-0.896	-0.944	-0.955
60.0	-0.800	-0.712	-0.896	-0.944	-0.955
65.0	-0.800	-0.712	-0.896	-0.944	-0.955
70.0	-0.800	-0.712	-0.896	-0.944	-0.955
75.0	-0.800	-0.712	-0.896	-0.944	-0.955
80.0	-0.800	-0.712	-0.896	-0.944	-0.955
85.0	-0.800	-0.712	-0.896	-0.944	-0.955
90.0	-0.800	-0.712	-0.896	-0.944	-0.955
95.0	-0.800	-0.712	-0.896	-0.944	-0.955
100.0	-0.800	-0.712	-0.896	-0.944	-0.955
2.5 (LOWER)	-0.722	-0.838	-0.800	-0.833	-1.151
5.0	-0.315	-0.387	-0.445	-0.455	-0.411
10.0	-0.283	-0.275	-0.355	-0.418	-0.370
15.0	-0.235	-0.244	-0.325	-0.348	-0.257
20.0	-0.188	-0.228	-0.277	-0.246	-0.133
25.0	-0.218	-0.258	-0.287	-0.314	-0.080
30.0	-0.321	-0.388	-0.451	-0.344	-0.446
35.0	-0.567	-0.655	-0.601	-0.734	-0.153
40.0	-0.878	-0.877	-0.540	-0.514	-0.081
45.0	-0.548	-0.661	-0.648	-0.562	-0.083

WING PRESSURE COEFFICIENTS

RUN 330 POINT 3 ALPHA -0.01 PSI 0.00 HEIGHT 87.01	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (UPPER)	-0.687	-0.378	-1.228	-1.858	-2.781
2.5	-0.839	-0.886	-1.582	-1.417	-2.105
5.0	-0.578	-0.802	-1.013	-1.210	-1.437
10.0	-0.584	-0.704	-0.907	-1.043	-1.178
15.0	-0.574	-0.657	-0.847	-0.878	-1.038
20.0	-0.582	-0.700	-0.804	-0.908	-0.950
25.0	-0.578	-0.708	-0.868	-0.889	-0.853
30.0	-0.578	-0.708	-0.868	-0.889	-0.853
35.0	-0.578	-0.708	-0.868	-0.889	-0.853
40.0	-0.578	-0.708	-0.868	-0.889	-0.853
45.0	-0.578	-0.708	-0.868	-0.889	-0.853
50.0	-0.578	-0.708	-0.868	-0.889	-0.853
55.0	-0.578	-0.708	-0.868	-0.889	-0.853
60.0	-0.578	-0.708	-0.868	-0.889	-0.853
65.0	-0.578	-0.708	-0.868	-0.889	-0.853
70.0	-0.578	-0.708	-0.868	-0.889	-0.853
75.0	-0.578	-0.708	-0.868	-0.889	-0.853
80.0	-0.578	-0.708	-0.868	-0.889	-0.853
85.0	-0.578	-0.708	-0.868	-0.889	-0.853
90.0	-0.578	-0.708	-0.868	-0.889	-0.853
95.0	-0.578	-0.708	-0.868	-0.889	-0.853
100.0	-0.578	-0.708	-0.868	-0.889	-0.853
2.5 (LOWER)	-0.238	-0.314	-0.348	-0.428	-0.404
5.0	-0.223	-0.183	-0.280	-0.355	-0.320
10.0	-0.154	-0.154	-0.246	-0.278	-0.219
15.0	-0.117	-0.156	-0.205	-0.186	-0.101
20.0	-0.142	-0.187	-0.226	-0.287	-0.171
25.0	-0.287	-0.352	-0.403	-0.318	-0.508
30.0	-0.528	-0.619	-0.608	-0.782	-0.201
35.0	-0.841	-0.844	-0.541	-0.584	-0.128
40.0	-0.501	-0.840	-0.628	-0.587	-0.127

MINE PRESSURE COEFFICIENTS

MIN 340 POINT 3 ALPHA	0.00 PSI	0.00 HEIGHT	05.00
I/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	-0.170	-0.274	-1.070
2.5	-0.004	-1.153	-1.710
5.0	-0.750	-1.077	-1.477
10.0	-0.710	-1.282	-1.441
15.0	-0.805	-1.187	-1.290
20.0	-0.774	-1.093	-1.160
25.0	-0.748	-1.002	-1.070
30.0	-0.706	-0.883	-1.010
35.0	-0.651	-0.750	-0.920
40.0	-0.580	-0.600	-0.820
45.0	-0.500	-0.440	-0.720
50.0	-0.410	-0.370	-0.620
55.0	-0.310	-0.280	-0.520
60.0	-0.210	-0.190	-0.420
65.0	-0.110	-0.100	-0.320
70.0	-0.010	-0.010	-0.220
75.0	-0.000	-0.000	-0.120
80.0	-0.000	-0.000	-0.020
85.0	-0.000	-0.000	-0.000
90.0	-0.000	-0.000	-0.000
95.0	-0.000	-0.000	-0.000
100.0	-0.000	-0.000	-0.000

MINE PRESSURE COEFFICIENTS

MIN 340 POINT 1 ALPHA	0.00 PSI	0.00 HEIGHT	10.53
I/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	-1.352	-2.784	-2.820
2.5	-1.115	-2.576	-2.576
5.0	-0.984	-2.327	-2.327
10.0	-0.842	-2.078	-2.078
15.0	-0.700	-1.829	-1.829
20.0	-0.558	-1.580	-1.580
25.0	-0.416	-1.331	-1.331
30.0	-0.274	-1.082	-1.082
35.0	-0.132	-0.833	-0.833
40.0	-0.000	-0.584	-0.584
45.0	-0.132	-0.335	-0.335
50.0	-0.274	-0.086	-0.086
55.0	-0.416	0.163	0.163
60.0	-0.558	0.414	0.414
65.0	-0.700	0.665	0.665
70.0	-0.842	0.916	0.916
75.0	-0.984	1.167	1.167
80.0	-1.115	1.418	1.418
85.0	-1.257	1.669	1.669
90.0	-1.399	1.920	1.920
95.0	-1.541	2.171	2.171
100.0	-1.683	2.422	2.422

MIN 340 POINT 4 ALPHA	-0.02 PSI	0.00 HEIGHT	07.00
I/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	-0.171	-0.750	-1.021
2.5	-0.002	-1.201	-1.821
5.0	-0.016	-1.109	-1.821
10.0	-0.792	-0.940	-1.551
15.0	-0.781	-0.857	-1.382
20.0	-0.000	-0.000	-1.207
25.0	-0.771	-0.955	-1.167
30.0	-0.771	-1.352	-1.161
35.0	-0.331	-1.457	-1.703
40.0	-0.331	-2.100	-2.572
45.0	-0.331	-2.657	-3.441
50.0	-0.331	-3.214	-4.310
55.0	-0.331	-3.771	-5.179
60.0	-0.331	-4.328	-6.048
65.0	-0.331	-4.885	-6.917
70.0	-0.331	-5.442	-7.786
75.0	-0.331	-6.000	-8.655
80.0	-0.331	-6.557	-9.524
85.0	-0.331	-7.114	-10.393
90.0	-0.331	-7.671	-11.262
95.0	-0.331	-8.228	-12.131
100.0	-0.331	-8.785	-13.000

MIN 340 POINT 2 ALPHA	-0.02 PSI	0.00 HEIGHT	32.81
I/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	-0.351	-1.107	-2.000
2.5	-0.000	-1.046	-2.270
5.0	-0.772	-1.046	-2.541
10.0	-0.772	-1.046	-2.811
15.0	-0.772	-1.046	-3.081
20.0	-0.772	-1.046	-3.351
25.0	-0.772	-1.046	-3.621
30.0	-0.772	-1.046	-3.891
35.0	-0.772	-1.046	-4.161
40.0	-0.772	-1.046	-4.431
45.0	-0.772	-1.046	-4.701
50.0	-0.772	-1.046	-4.971
55.0	-0.772	-1.046	-5.241
60.0	-0.772	-1.046	-5.511
65.0	-0.772	-1.046	-5.781
70.0	-0.772	-1.046	-6.051
75.0	-0.772	-1.046	-6.321
80.0	-0.772	-1.046	-6.591
85.0	-0.772	-1.046	-6.861
90.0	-0.772	-1.046	-7.131
95.0	-0.772	-1.046	-7.401
100.0	-0.772	-1.046	-7.671

MINE PRESSURE COEFFICIENTS

MIN 342 POINT 1 ALPHA	0.00 PSI	0.00 HEIGHT	00.00
L/C, %	BP 2	BP 6	BP 12
0.0 (NAPPEL)	-1.273	-1.010	-2.030
2.5	-1.081	-2.015	-3.110
5.0	-1.533	-2.043	-4.133
10.0	-1.417	-2.094	-5.090
15.0	-1.400	-1.885	-6.040
20.0	-1.371	-1.790	-7.010
25.0	-1.250	-1.704	-8.000
30.0	-1.076	-1.575	-9.010
35.0	-0.876	-1.401	-10.030
40.0	-0.660	-1.183	-11.060
45.0	-0.433	-0.925	-12.100
50.0	-0.200	-0.625	-13.150
55.0	-0.060	-0.285	-14.200
60.0	0.080	0.090	-15.250
65.0	0.310	0.340	-16.300
70.0	0.530	0.590	-17.350
75.0	0.750	0.840	-18.400
80.0	0.970	1.090	-19.450
85.0	1.190	1.340	-20.500
90.0	1.410	1.590	-21.550
95.0	1.630	1.840	-22.600
100.0	1.850	2.090	-23.650
105.0	2.070	2.340	-24.700
110.0	2.290	2.590	-25.750
115.0	2.510	2.840	-26.800
120.0	2.730	3.090	-27.850
125.0	2.950	3.340	-28.900
130.0	3.170	3.590	-30.000
135.0	3.390	3.840	-31.050
140.0	3.610	4.090	-32.100
145.0	3.830	4.340	-33.150
150.0	4.050	4.590	-34.200
155.0	4.270	4.840	-35.250
160.0	4.490	5.090	-36.300
165.0	4.710	5.340	-37.350
170.0	4.930	5.590	-38.400
175.0	5.150	5.840	-39.450
180.0	5.370	6.090	-40.500
185.0	5.590	6.340	-41.550
190.0	5.810	6.590	-42.600
195.0	6.030	6.840	-43.650
200.0	6.250	7.090	-44.700
205.0	6.470	7.340	-45.750
210.0	6.690	7.590	-46.800
215.0	6.910	7.840	-47.850
220.0	7.130	8.090	-48.900
225.0	7.350	8.340	-49.950
230.0	7.570	8.590	-51.000
235.0	7.790	8.840	-52.050
240.0	8.010	9.090	-53.100
245.0	8.230	9.340	-54.150
250.0	8.450	9.590	-55.200
255.0	8.670	9.840	-56.250
260.0	8.890	10.090	-57.300
265.0	9.110	10.340	-58.350
270.0	9.330	10.590	-59.400
275.0	9.550	10.840	-60.450
280.0	9.770	11.090	-61.500
285.0	9.990	11.340	-62.550
290.0	10.210	11.590	-63.600
295.0	10.430	11.840	-64.650
300.0	10.650	12.090	-65.700
305.0	10.870	12.340	-66.750
310.0	11.090	12.590	-67.800
315.0	11.310	12.840	-68.850
320.0	11.530	13.090	-69.900
325.0	11.750	13.340	-70.950
330.0	11.970	13.590	-72.000
335.0	12.190	13.840	-73.050
340.0	12.410	14.090	-74.100
345.0	12.630	14.340	-75.150
350.0	12.850	14.590	-76.200
355.0	13.070	14.840	-77.250
360.0	13.290	15.090	-78.300
365.0	13.510	15.340	-79.350
370.0	13.730	15.590	-80.400
375.0	13.950	15.840	-81.450
380.0	14.170	16.090	-82.500
385.0	14.390	16.340	-83.550
390.0	14.610	16.590	-84.600
395.0	14.830	16.840	-85.650
400.0	15.050	17.090	-86.700
405.0	15.270	17.340	-87.750
410.0	15.490	17.590	-88.800
415.0	15.710	17.840	-89.850
420.0	15.930	18.090	-90.900
425.0	16.150	18.340	-91.950
430.0	16.370	18.590	-93.000
435.0	16.590	18.840	-94.050
440.0	16.810	19.090	-95.100
445.0	17.030	19.340	-96.150
450.0	17.250	19.590	-97.200
455.0	17.470	19.840	-98.250
460.0	17.690	20.090	-99.300
465.0	17.910	20.340	-100.350
470.0	18.130	20.590	-101.400
475.0	18.350	20.840	-102.450
480.0	18.570	21.090	-103.500
485.0	18.790	21.340	-104.550
490.0	19.010	21.590	-105.600
495.0	19.230	21.840	-106.650
500.0	19.450	22.090	-107.700
505.0	19.670	22.340	-108.750
510.0	19.890	22.590	-109.800
515.0	20.110	22.840	-110.850
520.0	20.330	23.090	-111.900
525.0	20.550	23.340	-112.950
530.0	20.770	23.590	-114.000
535.0	20.990	23.840	-115.050
540.0	21.210	24.090	-116.100
545.0	21.430	24.340	-117.150
550.0	21.650	24.590	-118.200
555.0	21.870	24.840	-119.250
560.0	22.090	25.090	-120.300
565.0	22.310	25.340	-121.350
570.0	22.530	25.590	-122.400
575.0	22.750	25.840	-123.450
580.0	22.970	26.090	-124.500
585.0	23.190	26.340	-125.550
590.0	23.410	26.590	-126.600
595.0	23.630	26.840	-127.650
600.0	23.850	27.090	-128.700
605.0	24.070	27.340	-129.750
610.0	24.290	27.590	-130.800
615.0	24.510	27.840	-131.850
620.0	24.730	28.090	-132.900
625.0	24.950	28.340	-133.950
630.0	25.170	28.590	-135.000
635.0	25.390	28.840	-136.050
640.0	25.610	29.090	-137.100
645.0	25.830	29.340	-138.150
650.0	26.050	29.590	-139.200
655.0	26.270	29.840	-140.250
660.0	26.490	30.090	-141.300
665.0	26.710	30.340	-142.350
670.0	26.930	30.590	-143.400
675.0	27.150	30.840	-144.450
680.0	27.370	31.090	-145.500
685.0	27.590	31.340	-146.550
690.0	27.810	31.590	-147.600
695.0	28.030	31.840	-148.650
700.0	28.250	32.090	-149.700
705.0	28.470	32.340	-150.750
710.0	28.690	32.590	-151.800
715.0	28.910	32.840	-152.850
720.0	29.130	33.090	-153.900
725.0	29.350	33.340	-154.950
730.0	29.570	33.590	-156.000
735.0	29.790	33.840	-157.050
740.0	30.010	34.090	-158.100
745.0	30.230	34.340	-159.150
750.0	30.450	34.590	-160.200
755.0	30.670	34.840	-161.250
760.0	30.890	35.090	-162.300
765.0	31.110	35.340	-163.350
770.0	31.330	35.590	-164.400
775.0	31.550	35.840	-165.450
780.0	31.770	36.090	-166.500
785.0	31.990	36.340	-167.550
790.0	32.210	36.590	-168.600
795.0	32.430	36.840	-169.650
800.0	32.650	37.090	-170.700
805.0	32.870	37.340	-171.750
810.0	33.090	37.590	-172.800
815.0	33.310	37.840	-173.850
820.0	33.530	38.090	-174.900
825.0	33.750	38.340	-175.950
830.0	33.970	38.590	-177.000
835.0	34.190	38.840	-178.050
840.0	34.410	39.090	-179.100
845.0	34.630	39.340	-180.150
850.0	34.850	39.590	-181.200
855.0	35.070	39.840	-182.250
860.0	35.290	40.090	-183.300
865.0	35.510	40.340	-184.350
870.0	35.730	40.590	-185.400
875.0	35.950	40.840	-186.450
880.0	36.170	41.090	-187.500
885.0	36.390	41.340	-188.550
890.0	36.610	41.590	-189.600
895.0	36.830	41.840	-190.650
900.0	37.050	42.090	-191.700
905.0	37.270	42.340	-192.750
910.0	37.490	42.590	-193.800
915.0	37.710	42.840	-194.850
920.0	37.930	43.090	-195.900
925.0	38.150	43.340	-196.950
930.0	38.370	43.590	-198.000
935.0	38.590	43.840	-199.050
940.0	38.810	44.090	-200.100
945.0	39.030	44.340	-201.150
950.0	39.250	44.590	-202.200
955.0	39.470	44.840	-203.250
960.0	39.690	45.090	-204.300
965.0	39.910	45.340	-205.350
970.0	40.130	45.590	-206.400
975.0	40.350	45.840	-207.450
980.0	40.570	46.090	-208.500
985.0	40.790	46.340	-209.550
990.0	41.010	46.590	-210.600
995.0	41.230	46.840	-211.650
1000.0	41.450	47.090	-212.700

MINE PRESSURE COEFFICIENTS

MIN 342 POINT 3 ALPHA	-0.02 PSI	0.00 HEIGHT	00.00
L/C, %	BP 2	BP 6	BP 12
0.0 (NAPPEL)	-4.003	-4.001	-3.712
2.5	-2.023	-4.104	-3.040
5.0	-2.105	-4.230	-2.901
10.0	-1.023	-2.330	-3.017
15.0	-1.740	-1.534	-2.731
20.0	-1.000	-2.115	-2.400
25.0	-1.432	-1.071	-2.344
30.0	-0.540	-2.423	-2.001
35.0	-1.027	-2.030	-1.707
40.0	-0.000	-2.750	-1.140
45.0	-200.021	-200.021	-223.520
50.0	-20.750	-22.317	-22.317
55.0	-2.143	-2.143	-2.297
60.0	-2.027	-2.150	-2.225
65.0	-2.001	-2.172	-2.220
70.0	-1.900	-2.170	-2.170
75.0	-1.843	-2.143	-2.143
80.0	-1.831	-2.303	-2.077
85.0	-1.472	-2.442	-2.000
90.0	-1.050	-2.550	-1.942
95.0	-0.720	-2.644	-1.890
100.0	-0.442	-2.697	-1.840
105.0	-0.250	-2.720	-1.790
110.0	-0.130	-2.720	-1.740
115.0	-0.001	-2.720	-1.690
120.0	0.130	-2.720	-1.640
125.0	0.250	-2.720	-1.590
130.0	0.442	-2.720	-1.540
135.0	0.720	-2.720	-1.490
140.0	1.050	-2.720	-1.440
145.0	1.472	-2.720	-1.390
150.0	1.843	-2.720	-1.340
155.0	2.143	-2.720	-1.290
160.0	2.442	-2.720	-1.240
165.0	2.720	-2.720	-1.190
170.0	3.000	-2.720	-1.140
175.0	3.297	-2.720	-1.090
180.0	3.590	-2.720	-1.040
185.0	3.880	-2.720	-0.990
190.0	4.170	-2.720	-0.940
195.0	4.460	-2.720	-0.890
200.0	4.750	-2.720	-0.840
205.0	5.040	-2.720	-0.790
210.0	5.330	-2.720	-0.740
215.0	5.620	-2.720	-0.690
220.0	5.910	-2.720	-0.640
225.0	6.200	-2.720	-0.590
230.0	6.490	-2.720	-0.540
235.0	6.780	-2.720	-0.490
240.0	7.070	-2.720	-0.440
245.0	7.360	-2.720	-0.390
250.0	7.650	-2.720	-0.340
255.0	7.940	-2.720	-0.290
260.0	8.230	-2.720	-0.240
265.0	8.520	-2.720	-0.190
270.0	8.810	-2.720	-0.140
275.0	9.100	-2.720	-0.090
280.0	9.390	-2.720	-0.040
285.0	9.680	-2.720	0.010
290.0	9.970	-2.720	0.060
295.0	10.260	-2.720	0.110
300.0	10.550	-2.720	0.160
305.0	10.840	-2.720	0.210
310.0	11.130	-2.720	0.260
315.0	11.420	-2.720	0.310
320.0	11.710	-2.720	0.360
325.0	12.000	-2.720	0.410
330.0	12.290	-2.720	0.460
335.0	12.580	-2.720	0.510
340.0	12.870	-2.720	0.560
345.0	13.160	-2.720	0.610
350.0	13.450	-2.720	0.660
355.0	13.740	-2.720	0.710
360.0	14.030	-2.720	0.760
365.0	14.320	-2.720	0.810
370.0	14.610	-2.720	0.860
375.0	14.900	-2.720	0.910
380.0	15.190	-2.720	0.960
385.0	15.480	-2.720	1.010
390.0	15.770	-2.720	1.060
395.0	16.060	-2.720	1.110
400.0	16.350	-2.720	1.160
405.0	16.640	-2.720	1.210
410.0	16.930	-2.720	1.260
415.0	17.220	-2.720	1.310
420.0	17.510	-2.720	1.360
425.0	17.800	-2.720	1.410
430.0	18.090	-2.720	1.460
435.0	18.380	-2.720	1.510
440.0	18.670	-2.720	1.560
445.0	18.960	-2.720	1.610
450.0	19.250	-2.720	1.660
455.0	19.540	-2.720	1.710
460.0	19.830	-2.720	1.760
465.0	20.120	-2.720	1.810
470.0	20.410	-2.720	1.860
475.0	20.700	-2.720	1.910
480.0	20.990	-2.720	1.960
485.0	21.280	-2.720	2.010
490.0	21.570	-2.720	2.060
495.0	21.860	-2.720	2.110
500.0	22.150	-2.720	2.160
505.0	22.440	-2.720	2.210
510.0	22.730	-2.720	2.260
515.0	23.020	-2.720	2.310
520.0	23.310	-2.720	2.360
525.0	23.600	-2.720	2.410
530.0	23.890	-2.720	2.460
535.0	24.180	-2.720	2.510
540.0	24.470	-2.720	2.560
545.0	24.760	-2.720	2.610
550.0	25.050	-2.720	2.660
555.0	25.340	-2.720	2.710
560.0	25.630	-2.720	2.760
565.0	25.920	-2.720	2.810
570.0	26.210	-2.720	2.860
575.0	26.500	-2.720	2.910
580.0	26.790	-2.720	2.960
585.0	27.080	-2.720	3.010
590.0	27.370	-2.720	3.060
595.0	27.660	-2.720	3.110
600.0	27.950	-2.720	3.160
605.0	28.240	-2.720	3.210
610.0	28.530	-2.720	3.260
615.0	28.820	-2.720	3.310
620.0	29.110	-2.720	3.360
625.0	29.400	-2.720	3.410
630.0	29.690	-2.720	3.460
635.0	29.980	-2.720	3.510
640.0	30.270	-2.720	3.560
645.0	30.560	-2.720	3.610
650.0	30.850	-2.720	3.660
655.0	31.140	-2.720	3.710
660.0	31.430	-2.720	3.760
665.0	31.720	-2.720	3.810
670.0	32.010	-2.720	3.860
675.0	32.300	-2.720	3.910
680.0	32.590	-2.720	3.960
685.0	32.880	-2.720	4.010
690.0	33.170	-2.720	4.060
695.0	33.460	-2.720	4.110
700.0	33.750	-2.720	4.160
705.0	34.040	-2.720	4.210
710.0	34.330	-2.720	4.260
715.0	34.620	-2.720	4.310
720.0	34.910	-2.720	4.360
725.0	35.200	-2.720	4.410
730.0	35.490	-2.720	4.460
735.0	35.780	-2.720	4.510
740.0	36.070	-2.720	4.560
745.0	36.360	-2.720	4.610
750.0	36.650	-2.720	4.660
755.0	36.940	-2.720	4.710
760.0	37.230	-2.720	4.760
765.0	37.520	-2.720	4.810
770.0	37.810	-2.720	4.860
775.0	38.100	-2.720	4.910
780.0	38.390	-2.720	4.960
785.0	38.680	-2.720	5.010
790.0	38.970	-2.720	5.060
795.0	39.260	-2.720	5.110
800.0	39.550	-2.720	5.160
805.0	39.840	-2.720	5.210
810.0	40.130	-2.720	5.260
815.0	40.420	-2.720	5.310
820.0	40.710	-2.720	5.360
825.0	41.000	-2.720	5.410
830.0	41.290	-2.720	5.460
835.0	41.580	-2.720	5.510
840.0	41.870	-2.720	5.560
845.0	42.160	-2.720	5.610
850.0	42.450	-2.720	5.660
855.0	42.740	-2.720	5.710
860.0	43.030	-2.720	5.760
865.0	43.320	-2.720	5.810
870.0	43.610	-2.720	5.860
875.0	43.900	-2.720	5.910
880.0	44.190	-2.720	5.960
885.0	44.480	-2.720	6.010
890.0	44.770	-2.720	6.060
895.0	45.060	-2.720	6.110
900.0	45.350	-2.720	6.160
905.0	45.640	-2.720	6.210
910.0	45.930	-2.720	6.260
915.0	46.220	-2.720	6.310
920.0	46.510	-2.720	6.360
925.0	46.800	-2.720	6.410
930.0	47.090	-2.720	6.460
935.0	47.380	-2.720	6.510
940.0	47.670	-2.720	6.560
945.0	47.960	-2.720	6.610
950.0	48.250	-2.720	6.660
955.0	48.540	-2.720	6.710
960.0	48.830	-2.720	6.760
965.0	49.120	-2.720	6.810
970.0	49.410	-2.720	6.860
975.0	49.700	-2.720	6.910
980.0	49.990	-2.720	6.960
985.0	50.280	-2.720	7.010
990.0	50.570	-2.720	7.060
995.0	50.860	-2.720	7.110
1000.0	51.150	-2.720	7.160

MINO PRESSURE COEFFICIENTS

MIN 342 POINT 5 ALPHA	-0.02 PSI	0.00 HEIGHT	87.00		
X/C, %	BP 2	BP 0	BP 12 BP 16 BP 22		
0.0 (SUPPORT)	-1.014	-1.301	-2.241	-3.004	-3.813
2.5	-1.202	-1.070	-2.045	-2.162	-2.816
5.0	-1.214	-1.000	-2.016	-2.064	-2.495
10.0	-1.218	-1.048	-1.534	-1.752	-1.264
15.0	-1.199	-1.118	-1.750	-1.680	-2.154
20.0	-1.175	-1.075	-1.077	-1.370	-1.487
25.0	-1.060	-1.000	-2.050	-1.485	-1.607
30.0	-0.754	-2.005	-1.842	15.040	-2.007
35.0	-0.872	-2.005	-2.176	-3.533	-3.533
40.0	-0.756	-0.336	-0.300	-16.074	-70.510
45.0	-24.116	-28.024	-100.400	-144.737	-235.510
50.0	-27.078	-28.454	-58.177	-76.072	-6.573
55.0	-32.700	-0.454	-0.034	-21.764	-24.460
60.0	18.043	-3.775	16.272	-12.720	-12.762
65.0	27.200	-12.454	-10.028	-8.107	-10.540
70.0	87.0	-0.031	-7.232	-5.177	-3.810
75.0	-2.004	-0.000	-14.260	-14.507	3.431
80.0	-3.134	-2.304	-0.373	-0.110	-0.007
85.0	-0.540	-3.700	2.630	-1.771	-11.262
90.0	-0.395	-0.334	-0.172	-0.030	-0.464
95.0	-0.004	-0.410	-0.500	-0.170	-0.205
100.0	-0.037	-0.507	-0.600	-0.530	-0.543
2.5	-0.030	-0.300	0.120	-3.274	-0.292
5.0	-0.035	-0.254	-0.281	-0.350	-0.674
10.0	0.030	-0.300	0.120	-3.274	-0.292
15.0	0.025	-2.005	-0.805	-0.154	-0.603
20.0	-0.332	-0.472	-0.535	-0.510	-1.102

(LONGER)

MINO PRESSURE COEFFICIENTS

MIN 343 POINT 3 ALPHA	0.04 PSI	0.00 HEIGHT	87.00		
X/C, %	BP 2	BP 0	BP 12 BP 16 BP 22		
0.0 (SUPPORT)	-3.233	-5.870	-4.043	-2.000	-3.010
2.5	-3.237	-5.860	-4.027	-4.250	-3.010
5.0	-3.252	-5.870	-3.930	-4.260	-2.000
10.0	-1.003	-1.010	-3.233	-4.314	-2.000
15.0	-1.000	-1.014	-3.000	-4.000	-4.000
20.0	-1.001	-1.007	-2.123	-4.407	-3.740
25.0	-1.007	-1.000	-2.000	-3.000	-3.000
30.0	-0.000	-3.000	-2.000	-3.000	-3.000
35.0	-0.000	-3.000	-2.000	-3.000	-3.000
40.0	-371.500	-250.470	-10.524	-11.070	-11.070
45.0	-371.500	-250.470	-10.524	-11.070	-11.070
50.0	-371.500	-250.470	-10.524	-11.070	-11.070
55.0	-371.500	-250.470	-10.524	-11.070	-11.070
60.0	-371.500	-250.470	-10.524	-11.070	-11.070
65.0	-371.500	-250.470	-10.524	-11.070	-11.070
70.0	-371.500	-250.470	-10.524	-11.070	-11.070
75.0	-371.500	-250.470	-10.524	-11.070	-11.070
80.0	-371.500	-250.470	-10.524	-11.070	-11.070
85.0	-371.500	-250.470	-10.524	-11.070	-11.070
90.0	-371.500	-250.470	-10.524	-11.070	-11.070
95.0	-371.500	-250.470	-10.524	-11.070	-11.070
100.0	-371.500	-250.470	-10.524	-11.070	-11.070

(LONGER)

MIN 343 POINT 1 ALPHA

MIN 343 POINT 1 ALPHA	0.06 PSI	0.00 HEIGHT	87.00		
X/C, %	BP 2	BP 0	BP 12 BP 16 BP 22		
0.0 (SUPPORT)	-6.243	-8.707	-5.300	-4.102	-0.173
2.5	-3.881	-6.260	-5.712	-4.753	-4.140
5.0	-2.789	-7.900	-5.412	-4.779	-4.402
10.0	-2.484	-2.230	-5.812	-4.780	-4.642
15.0	-2.023	-1.790	-6.261	-6.153	-1.790
20.0	-2.067	-2.545	-3.043	-6.011	-1.931
25.0	-1.760	-2.320	-2.522	-4.136	-4.105
30.0	-2.472	-2.478	-2.478	10.950	-5.020
35.0	-1.772	-2.942	-3.432	7.703	-0.781
40.0	-1.044	-4.433	-3.007	-3.432	-7.703
45.0	-0.895	-10.800	-11.830	-12.254	-12.600
50.0	-0.431	-25.270	-25.270	-30.020	-30.420
55.0	-38.250	-38.737	-37.907	-60.571	-0.400
60.0	-8.271	-4.032	-11.018	-27.264	-0.712
65.0	-24.065	-4.838	23.060	-15.273	-16.016
70.0	-20.124	-10.250	-25.371	-10.462	-15.826
75.0	-8.484	-10.800	-0.657	-0.870	-5.371
80.0	-3.534	-4.024	-18.531	-10.278	-4.025
85.0	-3.378	-1.270	-0.070	-1.046	-1.211
90.0	-0.833	-3.934	-3.206	-2.308	-17.030
95.0	-0.801	-0.810	-0.841	-0.231	-0.981
100.0	-0.555	-0.820	-0.522	-0.383	-1.284
2.5	0.105	-0.720	-0.851	-0.259	-0.507
5.0	0.788	-0.553	-0.405	-0.073	-0.828
10.0	-0.700	-0.007	-0.500	-0.403	-0.871
20.0	-1.186	-0.006	-0.838	-0.710	-1.005
30.0	-0.810	-0.847	-0.901	-0.901	-0.810
40.0	-0.182	0.142	-0.060	-0.730	-0.004
50.0	-0.273	-4.020	-10.778	-0.512	-1.317
60.0	-0.375	-0.870	-0.943	-0.991	-1.020
0.0 (SUPPORT)	-4.250	-6.250	-4.250	-3.453	-3.453
2.5	-2.710	-4.960	-4.250	-3.075	-3.300
5.0	-2.140	-5.220	-4.550	-4.060	-3.824
10.0	-1.700	-1.500	-4.737	-4.025	-3.224
15.0	-1.071	-1.911	-4.437	-4.136	-3.700
20.0	-1.520	-1.000	-1.900	-3.715	-3.200
25.0	-1.372	-1.000	-1.007	-2.600	-3.334
30.0	-1.372	-2.370	-1.007	-1.007	-4.542
35.0	-0.780	-3.025	-3.147	-2.995	-0.910
40.0	-0.721	-0.000	-0.000	-0.000	-11.471
45.0	-30.754	-31.150	-30.775	-10.765	-11.471
50.0	-21.144	-30.993	-30.515	-10.322	-20.582
55.0	-5.810	-0.107	-0.040	-71.150	-0.524
60.0	-10.293	-4.007	17.095	-22.002	-10.400
65.0	-22.171	-12.000	-20.222	-12.100	-12.100
70.0	-0.810	-10.750	-7.042	-3.042	-4.001
75.0	-2.001	-0.500	-14.829	-10.102	-2.400
80.0	-3.777	-2.712	-0.782	-0.442	-2.400
85.0	-3.429	-4.126	2.201	-0.211	-12.914
90.0	-0.003	-0.105	-7.355	-0.000	-0.953
95.0	-0.175	-0.472	-0.109	-0.077	-0.042
100.0	-0.412	-0.327	-0.528	-0.070	-0.272
2.5	0.000	-0.254	-0.150	-0.244	-0.400
5.0	-0.400	-0.443	-0.410	-0.102	-1.370
10.0	-0.780	-0.300	-0.300	-0.528	-0.311
20.0	-0.001	-0.374	-0.167	-2.172	-0.520
30.0	-0.010	-2.835	-11.040	-0.100	-0.000
40.0	-0.255	-0.415	-0.401	-0.401	-1.301
0.0 (SUPPORT)	0.0	0.0	0.0	0.0	0.0
2.5	0.0	0.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0

(LONGER)

MING PRESSURE COEFFICIENTS

MIN 344 POINT 1 ALPHA 0.00 PSI 0.00 HEIGHT 42.78

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-4.001	-3.457	-4.226	-3.153	-3.103
2.5	-2.728	-3.316	-4.536	-3.327	-3.107
5.0	-1.824	-3.012	-4.372	-3.012	-3.315
10.0	-1.005	-1.370	-4.762	-3.755	-3.076
15.0	-1.420	-1.254	-4.066	-3.377	-3.215
20.0	-1.201	-1.634	-1.737	-3.875	-3.431
25.0	-1.375	-1.372	-1.481	-3.180	-3.431
30.0	-2.567	-1.614	-1.561	0.507	-4.012
35.0	-0.366	-2.610	-2.478	-0.323	-8.323
40.0	-0.220	-7.362	-0.068	-0.371	-8.268
45.0	-13.765	-10.493	-127.378	-100.681	-128.130
50.0	-13.057	-10.433	-26.641	-44.002	-26.268
55.0	-8.381	0.105	-0.433	-15.593	-26.268
60.0	-0.943	-4.080	-0.422	-0.908	-14.096
65.0	-14.430	-0.000	-12.523	-7.055	-11.558
70.0	-2.952	-10.243	-0.855	-4.843	-0.095
75.0	-3.788	-2.284	-1.321	-16.142	-1.457
80.0	-3.788	-2.960	-1.221	-0.704	-0.447
85.0	-3.346	-3.782	-0.114	-2.286	-10.015
90.0	-0.101	0.078	-0.003	-3.844	-0.222
95.0	0.090	0.053	-0.047	0.263	0.002
100.0	0.090	0.125	0.237	0.000	0.044
105.0	-0.000	-0.078	0.105	0.201	-0.147
110.0	-0.110	0.003	0.015	0.181	-0.028
115.0	-0.225	0.152	0.182	-0.016	-3.252
120.0	0.000	0.560	0.400	-1.418	-0.217
125.0	0.378	-1.263	-0.233	-0.266	-0.650
130.0	0.125	0.197	0.031	-0.032	-0.047

MING PRESSURE COEFFICIENTS

MIN 344 POINT 3 ALPHA 0.02 PSI 0.00 HEIGHT 87.63

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-3.737	-3.004	-4.080	-3.323	-3.004
2.5	-2.746	-4.017	-4.318	-3.004	-3.004
5.0	-1.813	-3.110	-3.080	-2.000	-3.277
10.0	-1.507	-1.010	-2.974	-2.746	-3.000
15.0	-1.200	-1.375	-1.756	-3.210	-3.271
20.0	-1.118	-1.651	-1.756	-3.200	-3.042
25.0	-1.122	-1.425	-1.814	-2.412	-3.148
30.0	-2.400	-1.838	-1.002	-0.171	-3.633
35.0	-0.402	-2.000	-2.904	-2.536	-3.000
40.0	-0.434	-7.364	-0.166	-0.710	-0.075
45.0	-100.000	-128.187	-122.297	-100.203	-120.007
50.0	-12.563	-17.000	-20.400	-42.001	-0.237
55.0	-5.501	0.100	-0.012	-15.246	-25.453
60.0	-7.012	-4.704	-7.005	-0.047	-11.507
65.0	-14.000	-0.041	-13.200	-7.000	-11.507
70.0	-1.500	-0.000	-0.004	-4.000	-3.000
75.0	-2.007	-4.710	-0.005	-0.012	-0.012
80.0	-2.754	-3.207	-1.202	-0.011	-0.500
85.0	-3.078	-3.025	-0.033	-5.223	-10.242
90.0	-3.200	-3.500	-3.000	-3.771	-2.074
95.0	-0.100	-0.000	-0.000	-0.100	0.225
100.0	-0.000	-0.000	-0.000	-0.000	0.000
105.0	-0.000	-0.000	-0.000	-0.000	0.000
110.0	-0.000	-0.000	-0.000	-0.000	0.000
115.0	-0.000	-0.000	-0.000	-0.000	0.000
120.0	-0.000	-0.000	-0.000	-0.000	0.000
125.0	-0.000	-0.000	-0.000	-0.000	0.000
130.0	-0.000	-0.000	-0.000	-0.000	0.000

MIN 345 POINT 2 ALPHA 0.03 PSI 0.00 HEIGHT 65.00

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-4.148	-3.283	-4.000	-3.323	-3.000
2.5	-2.442	-3.044	-4.300	-3.000	-3.000
5.0	-1.007	-0.183	-4.545	-3.747	-3.250
10.0	-1.560	-1.513	-4.315	-3.000	-3.045
15.0	-1.425	-1.333	-4.241	-4.044	-3.377
20.0	-1.278	-1.543	-1.716	-3.705	-3.100
25.0	-1.142	-1.416	-1.503	-2.740	-3.323
30.0	-2.501	-1.078	-1.607	-0.404	-4.351
35.0	-0.407	-2.914	-2.815	-2.435	-3.700
40.0	-0.414	-2.078	-0.260	-0.772	-8.700
45.0	-100.877	-101.532	-127.946	-101.842	-141.283
50.0	-13.851	-18.200	-21.100	-44.311	-26.300
55.0	-5.358	0.171	-0.711	-15.700	-26.267
60.0	-4.418	-0.036	-0.410	-10.181	-14.175
65.0	-14.724	-0.100	-12.020	-7.244	-11.050
70.0	-1.004	-10.383	-0.180	-4.371	-0.200
75.0	-2.500	-0.000	-0.000	-10.320	-1.700
80.0	-2.810	-3.000	-1.400	-0.786	-0.505
85.0	-3.735	-3.000	-0.607	-2.350	-10.800
90.0	-3.342	-0.076	-0.102	-0.378	-4.048
95.0	-0.228	0.076	0.102	0.131	-0.281
100.0	-0.042	0.114	0.061	0.207	0.000
105.0	-0.042	0.114	0.105	0.051	0.044
110.0	-0.018	-0.054	-0.003	0.156	-0.157
115.0	-0.105	-0.054	-0.033	0.103	-0.753
120.0	-0.210	0.120	0.132	-0.014	-3.200
125.0	-0.418	0.507	0.450	-1.431	-0.248
130.0	-0.282	-1.281	-10.207	-0.210	-0.576
135.0	0.105	0.100	0.015	-0.010	-0.741

MINE PRESSURE COEFFICIENTS

MIN 245 POINT 2 ALPHA	0.00 PSI	0.00 HEIGHT	32.00	BP 2	BP 8	BP 12	BP 16	BP 22
I/C, %								
0.0 (COPPER)	-1.785	-2.081	-2.180	-2.180	-2.180	-2.180	-2.180	-2.180
2.5	-1.466	-1.758	-2.050	-2.050	-2.050	-2.050	-2.050	-2.050
5.0	-1.183	-1.466	-1.758	-1.758	-1.758	-1.758	-1.758	-1.758
10.0	-0.895	-1.183	-1.466	-1.466	-1.466	-1.466	-1.466	-1.466
15.0	-0.607	-0.895	-1.183	-1.183	-1.183	-1.183	-1.183	-1.183
20.0	-0.319	-0.607	-0.895	-0.895	-0.895	-0.895	-0.895	-0.895
25.0	-0.031	-0.319	-0.607	-0.607	-0.607	-0.607	-0.607	-0.607
30.0	0.257	-0.031	-0.319	-0.319	-0.319	-0.319	-0.319	-0.319
35.0	0.545	0.257	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
40.0	0.833	0.545	0.257	0.257	0.257	0.257	0.257	0.257
45.0	1.121	0.833	0.545	0.545	0.545	0.545	0.545	0.545
50.0	1.409	1.121	0.833	0.833	0.833	0.833	0.833	0.833
55.0	1.697	1.409	1.121	1.121	1.121	1.121	1.121	1.121
60.0	1.985	1.697	1.409	1.409	1.409	1.409	1.409	1.409
65.0	2.273	1.985	1.697	1.697	1.697	1.697	1.697	1.697
70.0	2.561	2.273	1.985	1.985	1.985	1.985	1.985	1.985
75.0	2.849	2.561	2.273	2.273	2.273	2.273	2.273	2.273
80.0	3.137	2.849	2.561	2.561	2.561	2.561	2.561	2.561
85.0	3.425	3.137	2.849	2.849	2.849	2.849	2.849	2.849
90.0	3.713	3.425	3.137	3.137	3.137	3.137	3.137	3.137
95.0	4.001	3.713	3.425	3.425	3.425	3.425	3.425	3.425
100.0	4.289	4.001	3.713	3.713	3.713	3.713	3.713	3.713

MIN 245 POINT 3 ALPHA	-0.03 PSI	0.00 HEIGHT	85.04	BP 2	BP 8	BP 12	BP 16	BP 22
I/C, %								
0.0 (COPPER)	-0.595	-1.100	-2.229	-2.229	-2.229	-2.229	-2.229	-2.229
2.5	-0.883	-1.388	-2.517	-2.517	-2.517	-2.517	-2.517	-2.517
5.0	-1.171	-1.676	-2.805	-2.805	-2.805	-2.805	-2.805	-2.805
10.0	-1.459	-1.964	-3.093	-3.093	-3.093	-3.093	-3.093	-3.093
15.0	-1.747	-2.252	-3.381	-3.381	-3.381	-3.381	-3.381	-3.381
20.0	-2.035	-2.540	-3.669	-3.669	-3.669	-3.669	-3.669	-3.669
25.0	-2.323	-2.828	-3.957	-3.957	-3.957	-3.957	-3.957	-3.957
30.0	-2.611	-3.116	-4.245	-4.245	-4.245	-4.245	-4.245	-4.245
35.0	-2.899	-3.404	-4.533	-4.533	-4.533	-4.533	-4.533	-4.533
40.0	-3.187	-3.692	-4.821	-4.821	-4.821	-4.821	-4.821	-4.821
45.0	-3.475	-3.980	-5.109	-5.109	-5.109	-5.109	-5.109	-5.109
50.0	-3.763	-4.268	-5.397	-5.397	-5.397	-5.397	-5.397	-5.397
55.0	-4.051	-4.556	-5.685	-5.685	-5.685	-5.685	-5.685	-5.685
60.0	-4.339	-4.844	-5.973	-5.973	-5.973	-5.973	-5.973	-5.973
65.0	-4.627	-5.132	-6.261	-6.261	-6.261	-6.261	-6.261	-6.261
70.0	-4.915	-5.420	-6.549	-6.549	-6.549	-6.549	-6.549	-6.549
75.0	-5.203	-5.708	-6.837	-6.837	-6.837	-6.837	-6.837	-6.837
80.0	-5.491	-5.996	-7.125	-7.125	-7.125	-7.125	-7.125	-7.125
85.0	-5.779	-6.284	-7.413	-7.413	-7.413	-7.413	-7.413	-7.413
90.0	-6.067	-6.572	-7.701	-7.701	-7.701	-7.701	-7.701	-7.701
95.0	-6.355	-6.860	-7.989	-7.989	-7.989	-7.989	-7.989	-7.989
100.0	-6.643	-7.148	-8.277	-8.277	-8.277	-8.277	-8.277	-8.277

MINE PRESSURE COEFFICIENTS

MIN 245 POINT 4 ALPHA	0.00 PSI	0.00 HEIGHT	87.04	BP 2	BP 8	BP 12	BP 16	BP 22
I/C, %								
0.0 (COPPER)	-0.545	-1.030	-2.100	-2.100	-2.100	-2.100	-2.100	-2.100
2.5	-0.833	-1.318	-2.388	-2.388	-2.388	-2.388	-2.388	-2.388
5.0	-1.121	-1.606	-2.676	-2.676	-2.676	-2.676	-2.676	-2.676
10.0	-1.409	-1.894	-2.964	-2.964	-2.964	-2.964	-2.964	-2.964
15.0	-1.697	-2.182	-3.252	-3.252	-3.252	-3.252	-3.252	-3.252
20.0	-1.985	-2.470	-3.540	-3.540	-3.540	-3.540	-3.540	-3.540
25.0	-2.273	-2.758	-3.828	-3.828	-3.828	-3.828	-3.828	-3.828
30.0	-2.561	-3.046	-4.116	-4.116	-4.116	-4.116	-4.116	-4.116
35.0	-2.849	-3.334	-4.404	-4.404	-4.404	-4.404	-4.404	-4.404
40.0	-3.137	-3.622	-4.692	-4.692	-4.692	-4.692	-4.692	-4.692
45.0	-3.425	-3.910	-4.980	-4.980	-4.980	-4.980	-4.980	-4.980
50.0	-3.713	-4.198	-5.268	-5.268	-5.268	-5.268	-5.268	-5.268
55.0	-4.001	-4.486	-5.556	-5.556	-5.556	-5.556	-5.556	-5.556
60.0	-4.289	-4.774	-5.844	-5.844	-5.844	-5.844	-5.844	-5.844
65.0	-4.577	-5.062	-6.132	-6.132	-6.132	-6.132	-6.132	-6.132
70.0	-4.865	-5.350	-6.420	-6.420	-6.420	-6.420	-6.420	-6.420
75.0	-5.153	-5.638	-6.708	-6.708	-6.708	-6.708	-6.708	-6.708
80.0	-5.441	-5.926	-6.996	-6.996	-6.996	-6.996	-6.996	-6.996
85.0	-5.729	-6.214	-7.284	-7.284	-7.284	-7.284	-7.284	-7.284
90.0	-6.017	-6.502	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572
95.0	-6.305	-6.790	-7.860	-7.860	-7.860	-7.860	-7.860	-7.860
100.0	-6.593	-7.078	-8.148	-8.148	-8.148	-8.148	-8.148	-8.148

MIN 245 POINT 1 ALPHA	-0.03 PSI	0.00 HEIGHT	10.53	BP 2	BP 8	BP 12	BP 16	BP 22
I/C, %								
0.0 (COPPER)	-1.200	-2.510	-2.100	-2.100	-2.100	-2.100	-2.100	-2.100
2.5	-1.488	-2.798	-2.388	-2.388	-2.388	-2.388	-2.388	-2.388
5.0	-1.776	-3.086	-2.676	-2.676	-2.676	-2.676	-2.676	-2.676
10.0	-2.064	-3.374	-2.964	-2.964	-2.964	-2.964	-2.964	-2.964
15.0	-2.352	-3.662	-3.252	-3.252	-3.252	-3.252	-3.252	-3.252
20.0	-2.640	-3.950	-3.540	-3.540	-3.540	-3.540	-3.540	-3.540
25.0	-2.928	-4.238	-3.828	-3.828	-3.828	-3.828	-3.828	-3.828
30.0	-3.216	-4.526	-4.116	-4.116	-4.116	-4.116	-4.116	-4.116
35.0	-3.504	-4.814	-4.404	-4.404	-4.404	-4.404	-4.404	-4.404
40.0	-3.792	-5.102	-4.692	-4.692	-4.692	-4.692	-4.692	-4.692
45.0	-4.080	-5.390	-4.980	-4.980	-4.980	-4.980	-4.980	-4.980
50.0	-4.368	-5.678	-5.268	-5.268	-5.268	-5.268	-5.268	-5.268
55.0	-4.656	-5.966	-5.556	-5.556	-5.556	-5.556	-5.556	-5.556
60.0	-4.944	-6.254	-5.844	-5.844	-5.844	-5.844	-5.844	-5.844
65.0	-5.232	-6.542	-6.132	-6.132	-6.132	-6.132	-6.132	-6.132
70.0	-5.520	-6.830	-6.420	-6.420	-6.420	-6.420	-6.420	-6.420
75.0	-5.808	-7.118	-6.708	-6.708	-6.708	-6.708	-6.708	-6.708
80.0	-6.096	-7.406	-6.996	-6.996	-6.996	-6.996	-6.996	-6.996
85.0	-6.384	-7.694	-7.284	-7.284	-7.284	-7.284	-7.284	-7.284
90.0	-6.672	-7.982	-7.572	-7.572	-7.572	-7.572	-7.572	-7.572
95.0	-6.960	-8.270	-7.860	-7.860	-7.860	-7.860	-7.860	-7.860
100.0	-7.248	-8.558	-8.148	-8.148	-8.148	-8.148	-8.148	-8.148

MINE PRESSURE COEFFICIENTS

MIN 340 POINT 2 ALPHA	0.01 PSI	0.00 MEIGHT	22.00						
I/C, %	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (NONE)	-0.373	-1.001	-2.450	-2.150	-2.512				
2.5	-0.811	-1.025	-1.500	-2.210	-2.000				
5.0	-0.804	-0.872	-1.500	-1.530	-2.115				
10.0	-0.800	-0.840	-1.520	-1.212	-1.800				
15.0	-0.794	-0.872	-1.441	-1.060	-1.750				
20.0	-0.783	-0.860	-1.360	-0.870	-1.600				
25.0	-0.767	-0.760	-1.280	-0.680	-1.450				
30.0	-0.752	-1.070	-1.190	-0.490	-1.300				
35.0	-0.737	-1.081	-1.100	-0.300	-1.150				
40.0	-0.722	-1.091	-1.010	-0.110	-1.000				
45.0	-0.707	-1.101	-0.920	0.080	-0.850				
50.0	-0.692	-1.111	-0.830	0.270	-0.700				
55.0	-0.677	-1.121	-0.740	0.460	-0.550				
60.0	-0.662	-1.131	-0.650	0.650	-0.400				
65.0	-0.647	-1.141	-0.560	0.840	-0.250				
70.0	-0.632	-1.151	-0.470	1.030	-0.100				
75.0	-0.617	-1.161	-0.380	1.220	0.050				
80.0	-0.602	-1.171	-0.290	1.410	0.200				
85.0	-0.587	-1.181	-0.200	1.600	0.350				
90.0	-0.572	-1.191	-0.110	1.790	0.500				
95.0	-0.557	-1.201	0.000	1.980	0.650				
100.0	-0.542	-1.211	0.110	2.170	0.800				
2.5 (NONE)	-0.373	-1.001	-2.450	-2.150	-2.512				
5.0	-0.811	-1.025	-1.500	-2.210	-2.000				
10.0	-0.800	-0.840	-1.520	-1.212	-1.800				
15.0	-0.794	-0.872	-1.441	-1.060	-1.750				
20.0	-0.783	-0.860	-1.360	-0.870	-1.600				
25.0	-0.767	-0.760	-1.280	-0.680	-1.450				
30.0	-0.752	-1.070	-1.190	-0.490	-1.300				
35.0	-0.737	-1.081	-1.100	-0.300	-1.150				
40.0	-0.722	-1.091	-1.010	-0.110	-1.000				
45.0	-0.707	-1.101	-0.920	0.080	-0.850				
50.0	-0.692	-1.111	-0.830	0.270	-0.700				
55.0	-0.677	-1.121	-0.740	0.460	-0.550				
60.0	-0.662	-1.131	-0.650	0.650	-0.400				
65.0	-0.647	-1.141	-0.560	0.840	-0.250				
70.0	-0.632	-1.151	-0.470	1.030	-0.100				
75.0	-0.617	-1.161	-0.380	1.220	0.050				
80.0	-0.602	-1.171	-0.290	1.410	0.200				
85.0	-0.587	-1.181	-0.200	1.600	0.350				
90.0	-0.572	-1.191	-0.110	1.790	0.500				
95.0	-0.557	-1.201	0.000	1.980	0.650				
100.0	-0.542	-1.211	0.110	2.170	0.800				

MINE PRESSURE COEFFICIENTS

MIN 340 POINT 4 ALPHA	-0.03 PSI	0.00 MEIGHT	27.00						
I/C, %	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (NONE)	-0.100	-0.070	-1.000	-2.200	-2.200				
2.5	-0.837	-1.100	-2.000	-1.731	-2.750				
5.0	-0.790	-1.000	-1.200	-1.000	-1.750				
10.0	-0.710	-0.830	-1.100	-1.212	-1.200				
15.0	-0.600	-0.753	-1.100	-1.100	-1.100				
20.0	-0.500	-0.676	-1.043	-0.800	-1.100				
25.0	-0.400	-0.599	-1.120	-0.500	-1.100				
30.0	-0.300	-0.522	-1.200	-0.200	-1.100				
35.0	-0.200	-0.445	-1.280	0.100	-1.100				
40.0	-0.100	-0.368	-1.360	0.400	-1.100				
45.0	0.000	-0.291	-1.440	0.700	-1.100				
50.0	0.100	-0.214	-1.520	1.000	-1.100				
55.0	0.200	-0.137	-1.600	1.300	-1.100				
60.0	0.300	-0.060	-1.680	1.600	-1.100				
65.0	0.400	0.017	-1.760	1.900	-1.100				
70.0	0.500	0.094	-1.840	2.200	-1.100				
75.0	0.600	0.171	-1.920	2.500	-1.100				
80.0	0.700	0.248	-2.000	2.800	-1.100				
85.0	0.800	0.325	-2.080	3.100	-1.100				
90.0	0.900	0.402	-2.160	3.400	-1.100				
95.0	1.000	0.479	-2.240	3.700	-1.100				
100.0	1.100	0.556	-2.320	4.000	-1.100				
2.5 (NONE)	-0.100	-0.070	-1.000	-2.200	-2.200				
5.0	-0.837	-1.100	-2.000	-1.731	-2.750				
10.0	-0.790	-1.000	-1.200	-1.000	-1.750				
15.0	-0.710	-0.830	-1.100	-1.212	-1.200				
20.0	-0.600	-0.753	-1.100	-1.100	-1.100				
25.0	-0.500	-0.676	-1.043	-0.800	-1.100				
30.0	-0.400	-0.599	-1.120	-0.500	-1.100				
35.0	-0.300	-0.522	-1.200	-0.200	-1.100				
40.0	-0.200	-0.445	-1.280	0.100	-1.100				
45.0	-0.100	-0.368	-1.360	0.400	-1.100				
50.0	0.000	-0.291	-1.440	0.700	-1.100				
55.0	0.100	-0.214	-1.520	1.000	-1.100				
60.0	0.200	-0.137	-1.600	1.300	-1.100				
65.0	0.300	-0.060	-1.680	1.600	-1.100				
70.0	0.400	0.017	-1.760	1.900	-1.100				
75.0	0.500	0.094	-1.840	2.200	-1.100				
80.0	0.600	0.171	-1.920	2.500	-1.100				
85.0	0.700	0.248	-2.000	2.800	-1.100				
90.0	0.800	0.325	-2.080	3.100	-1.100				
95.0	0.900	0.402	-2.160	3.400	-1.100				
100.0	1.000	0.479	-2.240	3.700	-1.100				

MINE PRESSURE COEFFICIENTS

MIN 340 POINT 3 ALPHA	-0.01 PSI	0.00 MEIGHT	25.00						
I/C, %	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (NONE)	-0.222	-0.753	-1.750	-2.200	-2.413				
2.5	-0.875	-1.100	-1.820	-1.730	-2.700				
5.0	-0.800	-0.800	-1.250	-1.400	-2.400				
10.0	-0.600	-0.523	-1.053	-1.200	-2.100				
15.0	-0.400	-0.346	-0.856	-1.000	-1.800				
20.0	-0.200	-0.169	-0.659	-0.800	-1.500				
25.0	0.000	0.000	-0.462	-0.600	-1.200				
30.0	0.200	0.173	-0.265	-0.400	-0.900				
35.0	0.400	0.346	-0.068	-0.200	-0.600				
40.0	0.600	0.523	0.129	0.000	-0.300				
45.0	0.800	0.700	0.326	0.200	0.000				
50.0	1.000	0.877	0.523	0.400	0.300				
55.0	1.200	1.054	0.720	0.600	0.600				
60.0	1.400	1.231	0.917	0.800	0.900				
65.0	1.600	1.408	1.114	1.000	1.200				
70.0	1.800	1.585	1.311	1.200	1.500				
75.0	2.000	1.762	1.508	1.400	1.800				
80.0	2.200	1.939	1.705	1.600	2.100				
85.0	2.400	2.116	1.902	1.800	2.400				
90.0	2.600	2.293	2.099	2.000	2.700				
95.0	2.800	2.470	2.296	2.200	3.000				
100.0	3.000	2.647	2.493	2.400	3.300				
2.5 (NONE)	-0.222	-0.753	-1.750	-2.200	-2.413				
5.0	-0.875	-1.100	-1.820	-1.730	-2.700				
10.0	-0.800	-0.800	-1.250	-1.400	-2.400				
15.0	-0.600	-0.523	-1.053	-1.200	-2.100				
20.0	-0.400	-0.346	-0.856	-1.000	-1.800				
25.0	-0.200	-0.169	-0.659	-0.800	-1.500				
30.0	0.000	0.000	-0.462	-0.600	-1.200				
35.0	0.200	0.173	-0.265	-0.400	-0.900				
40.0	0.400	0.346	-0.068	-0.200	-0.600				
45.0	0.600	0.523	0.129	0.000	-0.300				
50.0	0.800	0.700	0.326	0.200	0.000				
55.0	1.000	0.877	0.523	0.400	0.300				
60.0	1.200	1.054	0.720	0.600	0.600				
65.0	1.400	1.231	0.917	0.800	0.900				
70.0	1.600	1.408	1.114	1.000	1.200				
75.0	1.800	1.585	1.311	1.200	1.500				
80.0	2.000	1.762	1.508	1.400	1.800				
85.0	2.200	1.939	1.705	1.600	2.100				
90.0	2.400	2.116	1.902	1.800	2.400				
95.0	2.600	2.293	2.099	2.000	2.700				
100.0	2.800	2.470	2.296	2.200	3.000				

MINE PRESSURE COEFFICIENTS

I/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0 (NONE)	-2.377	-4.000	-2.500	-2.940	-2.377
2.5	-2.021	-4.000	-3.012	-3.120	-2.541
5.0	-1.631	-4.000	-3.524	-3.310	-2.653
10.0	-1.181	-3.222	-3.036	-2.322	-2.587
15.0	-0.783	-2.428	-2.548	-1.548	-2.750
20.0	-0.407	-1.634	-2.060	-0.760	-2.875
25.0	-0.097	-0.840	-1.572	-0.000	-2.950
30.0	0.226	-0.046	-1.080	0.780	-2.966
35.0	0.540	0.711	-0.590	1.520	-2.779
40.0	0.850	1.462	-0.100	2.260	-2.491
45.0	1.150	2.204	0.390	3.000	-2.100
50.0	1.440	2.946	0.880	3.740	-1.600
55.0	1.720	3.688	1.370	4.480	-1.100
60.0	1.990	4.430	1.860	5.220	-0.600
65.0	2.260	5.172	2.350	5.960	-0.100
70.0	2.530	5.914	2.840	6.700	0.400
75.0	2.800	6.656	3.330	7.440	0.900
80.0	3.070	7.398	3.820	8.180	1.400
85.0	3.340	8.140	4.310	8.920	1.900
90.0	3.610	8.882	4.800	9.660	2.400
95.0	3.880	9.624	5.290	10.400	2.900
100.0	4.150	10.366	5.780	11.140	3.400
2 (NONE)	0.432	0.312	0.311	0.422	0.564
5.0	0.370	0.295	0.626	0.251	0.370
10.0	0.310	0.281	0.240	0.262	0.110
20.0	0.194	0.275	0.290	0.270	-0.250
30.0	0.201	0.262	0.200	0.262	-1.505
40.0	0.067	0.716	0.633	-0.531	0.011
50.0	0.520	-0.200	-0.070	0.075	-0.114
60.0	0.461	0.487	0.241	0.197	-0.197

MINO PRESSURE COEFFICIENTS

MIN 347 POINT 2 ALPHA		0.07 PSI		0.00 HEIGHT		00.70	
K/C. %		BP 2	BP 6	BP 12	BP 16	BP 22	
0.0 (SUPPORT)		-3.300	-4.707	-3.037	-3.011	-2.507	
2.5		-1.000	-4.648	-3.761	-3.170	-2.507	
5.0		-1.404	-3.108	-3.680	-3.241	-2.507	
10.0		-1.271	-1.281	-3.324	-3.324	-2.507	
15.0		-1.097	-1.132	-2.976	-3.076	-2.507	
20.0		-0.947	-1.293	-2.816	-2.876	-2.507	
25.0		-0.800	-1.441	-2.701	-2.771	-2.507	
30.0		-0.650	-1.581	-2.611	-2.681	-2.507	
35.0		-0.500	-1.711	-2.521	-2.591	-2.507	
40.0		-0.350	-1.841	-2.431	-2.501	-2.507	
45.0		-0.200	-1.971	-2.341	-2.411	-2.507	
50.0		-0.050	-2.101	-2.251	-2.321	-2.507	
55.0		0.100	-2.231	-2.161	-2.231	-2.507	
60.0		0.250	-2.361	-2.071	-2.141	-2.507	
65.0		0.400	-2.491	-1.981	-2.051	-2.507	
70.0		0.550	-2.621	-1.891	-1.961	-2.507	
75.0		0.700	-2.751	-1.801	-1.871	-2.507	
80.0		0.850	-2.881	-1.711	-1.781	-2.507	
85.0		1.000	-3.011	-1.621	-1.691	-2.507	
90.0		1.150	-3.141	-1.531	-1.601	-2.507	
95.0		1.300	-3.271	-1.441	-1.511	-2.507	
100.0		1.450	-3.401	-1.351	-1.421	-2.507	
2.5 (LINE IN)		0.434	0.362	0.361	0.336	0.095	
5.0		0.510	0.314	0.303	0.290	0.270	
10.0		0.584	0.266	0.292	0.280	0.267	
15.0		0.658	0.218	0.278	0.266	0.257	
20.0		0.732	0.170	0.264	0.252	0.247	
25.0		0.806	0.122	0.250	0.238	0.232	
30.0		0.880	0.074	0.236	0.224	0.226	
35.0		0.954	0.026	0.222	0.210	0.210	
40.0		1.028	-0.022	0.208	0.196	0.196	
45.0		1.102	-0.070	0.194	0.182	0.182	
50.0		1.176	-0.118	0.180	0.168	0.168	
55.0		1.250	-0.166	0.166	0.154	0.154	
60.0		1.324	-0.214	0.152	0.140	0.140	
65.0		1.398	-0.262	0.138	0.126	0.126	
70.0		1.472	-0.310	0.124	0.112	0.112	
75.0		1.546	-0.358	0.110	0.100	0.100	
80.0		1.620	-0.406	0.096	0.086	0.086	
85.0		1.694	-0.454	0.082	0.072	0.072	
90.0		1.768	-0.502	0.068	0.058	0.058	
95.0		1.842	-0.550	0.054	0.044	0.044	
100.0		1.916	-0.598	0.040	0.030	0.030	

MINO PRESSURE COEFFICIENTS

MIN 348 POINT 1 ALPHA		0.06 PSI		-0.01 HEIGHT		00.44	
K/C. %		BP 2	BP 6	BP 12	BP 16	BP 22	
0.0 (SUPPORT)		-4.420	-4.830	-3.020	-2.700	-2.811	
2.5		-2.100	-4.070	-3.000	-3.017	-2.811	
5.0		-1.000	-4.330	-3.012	-3.130	-2.790	
10.0		-1.344	-1.128	-3.010	-3.250	-2.800	
15.0		-1.107	-1.005	-3.000	-3.370	-2.777	
20.0		-0.904	-1.175	-3.000	-3.490	-2.754	
25.0		-0.710	-1.074	-3.000	-3.610	-2.731	
30.0		-0.510	-1.374	-3.000	-3.730	-2.708	
35.0		-0.310	-1.270	-3.000	-3.850	-2.685	
40.0		-0.110	-1.740	-3.000	-3.970	-2.662	
45.0		0.090	-1.640	-3.000	-4.090	-2.639	
50.0		0.290	-1.540	-3.000	-4.210	-2.616	
55.0		0.490	-1.440	-3.000	-4.330	-2.593	
60.0		0.690	-1.340	-3.000	-4.450	-2.570	
65.0		0.890	-1.240	-3.000	-4.570	-2.547	
70.0		1.090	-1.140	-3.000	-4.690	-2.524	
75.0		1.290	-1.040	-3.000	-4.810	-2.501	
80.0		1.490	-0.940	-3.000	-4.930	-2.478	
85.0		1.690	-0.840	-3.000	-5.050	-2.455	
90.0		1.890	-0.740	-3.000	-5.170	-2.432	
95.0		2.090	-0.640	-3.000	-5.290	-2.409	
100.0		2.290	-0.540	-3.000	-5.410	-2.386	
2.5 (LINE IN)		0.510	0.270	0.160	0.170	0.000	
5.0		0.607	0.222	0.150	0.160	0.100	
10.0		0.704	0.174	0.140	0.150	0.200	
15.0		0.801	0.126	0.130	0.140	0.300	
20.0		0.898	0.078	0.120	0.130	0.400	
25.0		0.995	0.030	0.110	0.120	0.500	
30.0		1.092	-0.018	0.100	0.110	0.600	
35.0		1.189	-0.066	0.090	0.100	0.700	
40.0		1.286	-0.114	0.080	0.090	0.800	
45.0		1.383	-0.162	0.070	0.080	0.900	
50.0		1.480	-0.210	0.060	0.070	1.000	
55.0		1.577	-0.258	0.050	0.060	1.100	
60.0		1.674	-0.306	0.040	0.050	1.200	
65.0		1.771	-0.354	0.030	0.040	1.300	
70.0		1.868	-0.402	0.020	0.030	1.400	
75.0		1.965	-0.450	0.010	0.020	1.500	
80.0		2.062	-0.498	0.000	0.010	1.600	
85.0		2.159	-0.546	0.000	0.000	1.700	
90.0		2.256	-0.594	0.000	0.000	1.800	
95.0		2.353	-0.642	0.000	0.000	1.900	
100.0		2.450	-0.690	0.000	0.000	2.000	

MIN 347 POINT 3 ALPHA		0.06 PSI		0.00 HEIGHT		00.71	
K/C. %		BP 2	BP 6	BP 12	BP 16	BP 22	
0.0 (SUPPORT)		-3.323	-4.002	-3.012	-3.200	-2.732	
2.5		-1.025	-4.713	-3.707	-3.372	-2.720	
5.0		-1.538	-3.524	-3.025	-3.470	-2.706	
10.0		-1.377	-1.474	-3.280	-3.514	-2.700	
15.0		-1.178	-1.215	-2.873	-3.407	-2.620	
20.0		-0.979	-1.170	-2.576	-3.275	-2.743	
25.0		-0.780	-1.122	-2.279	-3.148	-2.866	
30.0		-0.581	-1.074	-1.982	-3.021	-2.989	
35.0		-0.382	-1.026	-1.685	-2.894	-3.112	
40.0		-0.183	-0.978	-1.388	-2.767	-3.235	
45.0		0.016	-0.930	-1.091	-2.640	-3.358	
50.0		0.217	-0.882	-0.794	-2.513	-3.481	
55.0		0.418	-0.834	-0.497	-2.386	-3.604	
60.0		0.619	-0.786	-0.200	-2.259	-3.727	
65.0		0.820	-0.738	0.097	-2.132	-3.850	
70.0		1.021	-0.690	0.394	-2.005	-3.973	
75.0		1.222	-0.642	0.691	-1.878	-4.096	
80.0		1.423	-0.594	0.988	-1.751	-4.219	
85.0		1.624	-0.546	1.285	-1.624	-4.342	
90.0		1.825	-0.498	1.582	-1.497	-4.465	
95.0		2.026	-0.450	1.879	-1.370	-4.588	
100.0		2.227	-0.402	2.176	-1.243	-4.711	
2.5 (LINE IN)		0.411	0.320	0.275	0.283	0.076	
5.0		0.508	0.271	0.275	0.295	0.252	
10.0		0.605	0.223	0.265	0.311	0.232	
15.0		0.702	0.175	0.255	0.327	0.212	
20.0		0.799	0.127	0.245	0.343	0.192	
25.0		0.896	0.079	0.235	0.359	0.172	
30.0		0.993	0.031	0.225	0.375	0.152	
35.0		1.090	-0.017	0.215	0.391	0.132	
40.0		1.187	-0.069	0.205	0.407	0.112	
45.0		1.284	-0.121	0.195	0.423	0.092	
50.0		1.381	-0.173	0.185	0.439	0.072	
55.0		1.478	-0.225	0.175	0.455	0.052	
60.0		1.575	-0.277	0.165	0.471	0.032	
65.0		1.672	-0.329	0.155	0.487	0.012	
70.0		1.769	-0.381	0.145	0.503	0.000	
75.0		1.866	-0.433	0.135	0.519	0.000	
80.0		1.963	-0.485	0.125	0.535	0.000	
85.0		2.060	-0.537	0.115	0.551	0.000	
90.0		2.157	-0.589	0.105	0.567	0.000	
95.0		2.254	-0.641	0.095	0.583	0.000	
100.0		2.351	-0.693	0.085	0.599	0.000	

MIN 348 POINT 2 ALPHA		0.07 PSI		-0.01 HEIGHT		00.00	
K/C. %		BP 2	BP 6	BP 12	BP 16	BP 22	
0.0 (SUPPORT)		-4.430	-4.770	-3.002	-2.600	-2.875	
2.5		-2.100	-4.070	-3.010	-3.002	-2.875	
5.0		-1.000	-4.330	-3.012	-3.102	-2.875	
10.0		-1.344	-1.128	-3.010	-3.202	-2.875	
15.0		-1.107	-1.005	-3.000	-3.302	-2.875	
20.0		-0.904	-1.175	-3.000	-3.402	-2.875	
25.0		-0.710	-1.074	-3.000	-3.502	-2.875	
30.0		-0.510	-1.374	-3.000	-3.602	-2.875	
35.0		-0.310	-1.270	-3.000	-3.702	-2.875	
40.0		-0.110	-1.740	-3.000	-3.802	-2.875	
45.0		0.090	-1.640	-3.000	-3.902	-2.875	
50.0		0.290	-1.540	-3.000	-4.002	-2.875	
55.0		0.490	-1.440	-3.000	-4.102	-2.875	
60.0		0.690	-1.340	-3.000	-4.202	-2.875	
65.0		0.890	-1.240	-3.000	-4.302	-2.875	
70.0		1.090	-1.140	-3.000	-4.402	-2.875	
75.0		1.290	-1.040	-3.000	-4.502	-2.875	
80.0		1.490	-0.940	-3.000	-4.602	-2.875	
85.0		1.690	-0.840	-3.000	-4.702	-2.875	
90.0		1.890	-0.740	-3.000	-4.802	-2.875	
95.0		2.090	-0.640	-3.000	-4.902	-2.875	
100.0		2.290	-0.540	-3.000	-5.002	-2.875	
2.5 (LINE IN)		0.510	0.270	0.160	0.170	0.000	
5.0		0.607	0.222	0.150	0.160	0.100	
10.0		0.704	0.174	0.140	0.150	0.200	
15.0		0.801	0.126	0.130	0.140	0.300	

MINE PRESSURE COEFFICIENTS

MINE PRESSURE COEFFICIENTS									
MIN 340 POINT 3 ALPHA	0.00 PSI	-0.01 INCH/FT	00.75	BP 2	BP 6	BP 12	BP 16	BP 22	BP 27
L/C %	BP 2	BP 6	BP 12	BP 16	BP 22	BP 27	BP 2	BP 6	BP 12
0.0 (DPPER)	-3.810	-4.800	-3.527	-2.936	-2.061	-0.779	-1.953	-2.315	-2.067
2.5	-2.065	-4.710	-3.816	-3.117	-2.242	-1.063	-1.147	-2.144	-1.894
5.0	-1.591	-4.210	-3.666	-3.268	-2.394	-0.760	-1.075	-2.141	-1.876
10.0	-1.344	-3.724	-3.724	-3.261	-2.421	-0.811	-1.042	-2.141	-1.740
15.0	-1.110	-3.284	-3.614	-3.214	-2.730	-0.860	-0.710	-1.916	-1.795
20.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.873	-0.946	-1.534
25.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
30.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
35.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
40.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
45.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
50.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
55.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
60.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
65.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
70.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
75.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
80.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
85.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
90.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
95.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534
100.0	-0.825	-2.824	-3.212	-3.212	-2.730	-0.860	-0.760	-0.946	-1.534

MINE PRESSURE COEFFICIENTS									
MIN 340 POINT 3 ALPHA	0.00 PSI	-0.01 INCH/FT	00.53	BP 2	BP 6	BP 12	BP 16	BP 22	BP 27
L/C %	BP 2	BP 6	BP 12	BP 16	BP 22	BP 27	BP 2	BP 6	BP 12
0.0 (DPPER)	-2.122	-2.833	-3.332	-2.923	-2.250	-0.497	-1.076	-2.534	-2.093
2.5	-1.312	-2.875	-3.834	-2.426	-2.046	-0.664	-1.046	-2.113	-2.043
5.0	-0.940	-1.414	-2.966	-2.260	-1.875	-0.662	-1.000	-1.443	-2.076
10.0	-0.940	-1.212	-2.352	-2.066	-1.712	-0.661	-0.864	-1.212	-1.081
15.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-1.277
20.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-1.000
25.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
30.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
35.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
40.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
45.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
50.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
55.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
60.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
65.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
70.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
75.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
80.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
85.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
90.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
95.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962
100.0	-0.768	-0.966	-1.836	-1.864	-1.662	-0.616	-0.866	-0.962	-0.962

MINI PRESSURE COEFFICIENTS

MIN 300 POINT	0 ALPHA	-0.02 PSI	-0.01 HEIGHT	07.00
X/C	BP 2	BP 0	BP 12	BP 16
0.0 (UPPER)	-0.474	-1.160	-2.230	-2.682
2.5	-0.823	-1.230	-1.597	-1.933
5.0	-0.752	-1.077	-1.523	-1.862
10.0	-0.734	-0.940	-1.291	-1.593
15.0	-0.677	-0.751	-1.127	-1.380
20.0	-0.661	-0.607	-1.034	-1.111
32.0	-0.681	-0.627	-1.134	-1.000
54.0	-0.722	-0.754	-1.225	-1.048
80.0	-0.772	-0.800	-1.316	-1.048
100.0	-0.756	-0.770	-1.328	-1.048
120.0	-0.691	-0.616	-1.127	-0.871
140.0	-0.568	-0.461	-0.785	-0.616
160.0	-0.400	-0.263	-0.436	-0.316
180.0	-0.200	-0.091	-0.177	-0.091
200.0	-0.000	0.000	0.000	0.000
220.0	0.200	0.091	0.177	0.316
240.0	0.400	0.263	0.436	0.616
260.0	0.568	0.461	0.785	0.871
280.0	0.691	0.616	1.127	1.048
300.0	0.756	0.770	1.328	1.048
320.0	0.772	0.800	1.316	1.048
340.0	0.722	0.754	1.225	1.048
360.0	0.681	0.627	1.134	1.000
380.0	0.661	0.607	1.034	0.871
400.0	0.734	0.751	1.127	0.616
420.0	0.752	0.940	1.291	0.316
440.0	0.823	1.230	1.597	0.091
460.0	0.823	1.230	1.597	0.091

MINI PRESSURE COEFFICIENTS

MIN 300 POINT	0 ALPHA	-0.02 PSI	-0.01 HEIGHT	07.00
X/C	BP 2	BP 0	BP 12	BP 16
0.0 (UPPER)	-0.474	-1.160	-2.230	-2.682
2.5	-0.823	-1.230	-1.597	-1.933
5.0	-0.752	-1.077	-1.523	-1.862
10.0	-0.734	-0.940	-1.291	-1.593
15.0	-0.677	-0.751	-1.127	-1.380
20.0	-0.661	-0.607	-1.034	-1.111
32.0	-0.681	-0.627	-1.134	-1.000
54.0	-0.722	-0.754	-1.225	-1.048
80.0	-0.772	-0.800	-1.316	-1.048
100.0	-0.756	-0.770	-1.328	-1.048
120.0	-0.691	-0.616	-1.127	-0.871
140.0	-0.568	-0.461	-0.785	-0.616
160.0	-0.400	-0.263	-0.436	-0.316
180.0	-0.200	-0.091	-0.177	-0.091
200.0	0.000	0.000	0.000	0.000
220.0	0.200	0.091	0.177	0.316
240.0	0.400	0.263	0.436	0.616
260.0	0.568	0.461	0.785	0.871
280.0	0.691	0.616	1.127	1.048
300.0	0.756	0.770	1.328	1.048
320.0	0.772	0.800	1.316	1.048
340.0	0.722	0.754	1.225	1.048
360.0	0.681	0.627	1.134	1.000
380.0	0.661	0.607	1.034	0.871
400.0	0.734	0.751	1.127	0.616
420.0	0.752	0.940	1.291	0.316
440.0	0.823	1.230	1.597	0.091
460.0	0.823	1.230	1.597	0.091

MIN 300 POINT	0 ALPHA	-0.02 PSI	-0.01 HEIGHT	08.00
X/C	BP 2	BP 0	BP 12	BP 16
0.0 (UPPER)	-0.474	-1.160	-2.230	-2.682
2.5	-0.823	-1.230	-1.597	-1.933
5.0	-0.752	-1.077	-1.523	-1.862
10.0	-0.734	-0.940	-1.291	-1.593
15.0	-0.677	-0.751	-1.127	-1.380
20.0	-0.661	-0.607	-1.034	-1.111
32.0	-0.681	-0.627	-1.134	-1.000
54.0	-0.722	-0.754	-1.225	-1.048
80.0	-0.772	-0.800	-1.316	-1.048
100.0	-0.756	-0.770	-1.328	-1.048
120.0	-0.691	-0.616	-1.127	-0.871
140.0	-0.568	-0.461	-0.785	-0.616
160.0	-0.400	-0.263	-0.436	-0.316
180.0	-0.200	-0.091	-0.177	-0.091
200.0	0.000	0.000	0.000	0.000
220.0	0.200	0.091	0.177	0.316
240.0	0.400	0.263	0.436	0.616
260.0	0.568	0.461	0.785	0.871
280.0	0.691	0.616	1.127	1.048
300.0	0.756	0.770	1.328	1.048
320.0	0.772	0.800	1.316	1.048
340.0	0.722	0.754	1.225	1.048
360.0	0.681	0.627	1.134	1.000
380.0	0.661	0.607	1.034	0.871
400.0	0.734	0.751	1.127	0.616
420.0	0.752	0.940	1.291	0.316
440.0	0.823	1.230	1.597	0.091
460.0	0.823	1.230	1.597	0.091

MIN 350 POINT	0 ALPHA	-0.02 PSI	-0.01 HEIGHT	10.70
X/C	BP 2	BP 0	BP 12	BP 16
0.0 (UPPER)	-0.800	-1.970	-3.240	-3.184
2.5	-0.815	-1.952	-3.184	-3.184
5.0	-0.800	-1.933	-3.128	-3.128
10.0	-0.773	-1.885	-3.072	-3.072
15.0	-0.735	-1.815	-3.016	-3.016
20.0	-0.688	-1.725	-2.960	-2.960
32.0	-0.640	-1.615	-2.904	-2.904
54.0	-0.592	-1.485	-2.848	-2.848
80.0	-0.544	-1.335	-2.792	-2.792
100.0	-0.496	-1.165	-2.736	-2.736
120.0	-0.448	-0.975	-2.680	-2.680
140.0	-0.399	-0.765	-2.624	-2.624
160.0	-0.351	-0.535	-2.568	-2.568
180.0	-0.303	-0.285	-2.512	-2.512
200.0	-0.255	-0.015	-2.456	-2.456
220.0	-0.207	0.255	-2.400	-2.400
240.0	-0.159	0.515	-2.344	-2.344
260.0	-0.111	0.765	-2.288	-2.288
280.0	-0.063	1.005	-2.232	-2.232
300.0	0.000	1.235	-2.176	-2.176
320.0	0.052	1.455	-2.120	-2.120
340.0	0.104	1.665	-2.064	-2.064
360.0	0.156	1.865	-2.008	-2.008
380.0	0.208	2.055	-1.952	-1.952
400.0	0.260	2.235	-1.896	-1.896
420.0	0.312	2.405	-1.840	-1.840
440.0	0.364	2.565	-1.784	-1.784
460.0	0.416	2.715	-1.728	-1.728

MINE PRESSURE COEFFICIENTS

MINE 351 POINT 4 ALPHA -0.01 PSI -5.01 HEIGHT 87.00									
X/C, %		BP 2	BP 6	BP 12	BP 16	BP 22	MINE 351 POINT 3 ALPHA 0.01 PSI -5.01 HEIGHT 87.00		
0.0 (HOPPER)		-0.183	-0.736	-1.082	-2.318	-3.242	0.0 (HOPPER)		-3.843
2.5		-0.710	-1.024	-1.242	-1.528	-2.040	2.5		-1.007
5.0		-0.976	-0.802	-1.025	-1.228	-1.522	5.0		-1.432
10.0		-0.947	-0.847	-0.886	-1.048	-1.238	10.0		-1.184
15.0		-0.934	-0.818	-0.852	-0.945	-1.038	15.0		-1.095
20.0		-0.910	-0.800	-0.861	-0.944	-1.030	20.0		-0.880
25.0		-0.936	-0.874	-0.895	-0.951	-0.985	25.0		-0.827
30.0		-0.940	-0.860	-0.865	-0.895	-1.013	30.0		-1.007
35.0		-0.940	-0.860	-0.871	-0.871	-1.012	35.0		-0.102
40.0		-0.940	-0.860	-0.865	-0.865	-1.012	40.0		-0.102
45.0		-0.940	-0.860	-0.865	-0.865	-1.012	45.0		-0.102
50.0		-0.940	-0.860	-0.865	-0.865	-1.012	50.0		-0.102
55.0		-0.940	-0.860	-0.865	-0.865	-1.012	55.0		-0.102
60.0		-0.940	-0.860	-0.865	-0.865	-1.012	60.0		-0.102
65.0		-0.940	-0.860	-0.865	-0.865	-1.012	65.0		-0.102
70.0		-0.940	-0.860	-0.865	-0.865	-1.012	70.0		-0.102
75.0		-0.940	-0.860	-0.865	-0.865	-1.012	75.0		-0.102
80.0		-0.940	-0.860	-0.865	-0.865	-1.012	80.0		-0.102
85.0		-0.940	-0.860	-0.865	-0.865	-1.012	85.0		-0.102
90.0		-0.940	-0.860	-0.865	-0.865	-1.012	90.0		-0.102
95.0		-0.940	-0.860	-0.865	-0.865	-1.012	95.0		-0.102
100.0		-0.940	-0.860	-0.865	-0.865	-1.012	100.0		-0.102

MINE PRESSURE COEFFICIENTS

MINE 351 POINT 1 ALPHA 0.03 PSI -5.01 HEIGHT 87.00									
X/C, %		BP 2	BP 6	BP 12	BP 16	BP 22	MINE 351 POINT 3 ALPHA 0.01 PSI -5.01 HEIGHT 87.00		
0.0 (HOPPER)		-0.183	-0.736	-1.082	-2.318	-3.242	0.0 (HOPPER)		-3.843
2.5		-0.710	-1.024	-1.242	-1.528	-2.040	2.5		-1.007
5.0		-0.976	-0.802	-1.025	-1.228	-1.522	5.0		-1.432
10.0		-0.947	-0.847	-0.886	-1.048	-1.238	10.0		-1.184
15.0		-0.934	-0.818	-0.852	-0.945	-1.038	15.0		-1.095
20.0		-0.910	-0.800	-0.861	-0.944	-1.030	20.0		-0.880
25.0		-0.936	-0.874	-0.895	-0.951	-0.985	25.0		-0.827
30.0		-0.940	-0.860	-0.865	-0.895	-1.013	30.0		-1.007
35.0		-0.940	-0.860	-0.871	-0.871	-1.012	35.0		-0.102
40.0		-0.940	-0.860	-0.865	-0.865	-1.012	40.0		-0.102
45.0		-0.940	-0.860	-0.865	-0.865	-1.012	45.0		-0.102
50.0		-0.940	-0.860	-0.865	-0.865	-1.012	50.0		-0.102
55.0		-0.940	-0.860	-0.865	-0.865	-1.012	55.0		-0.102
60.0		-0.940	-0.860	-0.865	-0.865	-1.012	60.0		-0.102
65.0		-0.940	-0.860	-0.865	-0.865	-1.012	65.0		-0.102
70.0		-0.940	-0.860	-0.865	-0.865	-1.012	70.0		-0.102
75.0		-0.940	-0.860	-0.865	-0.865	-1.012	75.0		-0.102
80.0		-0.940	-0.860	-0.865	-0.865	-1.012	80.0		-0.102
85.0		-0.940	-0.860	-0.865	-0.865	-1.012	85.0		-0.102
90.0		-0.940	-0.860	-0.865	-0.865	-1.012	90.0		-0.102
95.0		-0.940	-0.860	-0.865	-0.865	-1.012	95.0		-0.102
100.0		-0.940	-0.860	-0.865	-0.865	-1.012	100.0		-0.102

MINE 351 POINT 1 ALPHA 0.03 PSI -5.01 HEIGHT 87.00									
X/C, %		BP 2	BP 6	BP 12	BP 16	BP 22	MINE 351 POINT 3 ALPHA 0.01 PSI -5.01 HEIGHT 87.00		
0.0 (HOPPER)		-0.183	-0.736	-1.082	-2.318	-3.242	0.0 (HOPPER)		-3.843
2.5		-0.710	-1.024	-1.242	-1.528	-2.040	2.5		-1.007
5.0		-0.976	-0.802	-1.025	-1.228	-1.522	5.0		-1.432
10.0		-0.947	-0.847	-0.886	-1.048	-1.238	10.0		-1.184
15.0		-0.934	-0.818	-0.852	-0.945	-1.038	15.0		-1.095
20.0		-0.910	-0.800	-0.861	-0.944	-1.030	20.0		-0.880
25.0		-0.936	-0.874	-0.895	-0.951	-0.985	25.0		-0.827
30.0		-0.940	-0.860	-0.865	-0.895	-1.013	30.0		-1.007
35.0		-0.940	-0.860	-0.871	-0.871	-1.012	35.0		-0.102
40.0		-0.940	-0.860	-0.865	-0.865	-1.012	40.0		-0.102
45.0		-0.940	-0.860	-0.865	-0.865	-1.012	45.0		-0.102
50.0		-0.940	-0.860	-0.865	-0.865	-1.012	50.0		-0.102
55.0		-0.940	-0.860	-0.865	-0.865	-1.012	55.0		-0.102
60.0		-0.940	-0.860	-0.865	-0.865	-1.012	60.0		-0.102
65.0		-0.940	-0.860	-0.865	-0.865	-1.012	65.0		-0.102
70.0		-0.940	-0.860	-0.865	-0.865	-1.012	70.0		-0.102
75.0		-0.940	-0.860	-0.865	-0.865	-1.012	75.0		-0.102
80.0		-0.940	-0.860	-0.865	-0.865	-1.012	80.0		-0.102
85.0		-0.940	-0.860	-0.865	-0.865	-1.012	85.0		-0.102
90.0		-0.940	-0.860	-0.865	-0.865	-1.012	90.0		-0.102
95.0		-0.940	-0.860	-0.865	-0.865	-1.012	95.0		-0.102
100.0		-0.940	-0.860	-0.865	-0.865	-1.012	100.0		-0.102

MINE PRESSURE COEFFICIENTS

RUN 353 POINT 2 ALPHA -0.02 PSI 0.00 HEIGHT 32.00									
I/C. X									
	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	-0.008	-0.731	-1.049	-2.043	-3.462				
2.5	-0.805	-1.029	-1.317	-1.638	-2.044				
5.0	-0.556	-0.907	-1.081	-1.281	-1.595				
10.0	-0.543	-0.763	-0.900	-1.071	-1.163				
15.0	-0.535	-0.820	-0.860	-0.871	-1.026				
20.0	-0.516	-0.667	-0.781	-0.842	-0.991				
24.0	-0.516	-0.646	-0.826	-0.843	-0.876				
33.0	-0.510	-0.637	-1.030	-2.260	-1.300				
54.0	-0.600	-1.510	-1.595	-1.743	-1.948				
85.0	-0.601	-4.163	-4.857	-5.308	-5.800				
78.5	-84.114	-66.357	-87.776	-54.658	-44.575				
60.5	-7.843	-7.481	-7.820	-14.553	-10.474				
81.2	-3.608	-3.270	-5.164	-7.163	-10.474				
82.0	-0.078	-3.205	-0.666	-5.422	-6.482				
84.0	-5.108	-4.165	-4.860	-4.171	-5.976				
87.0	-0.268	-3.738	-3.071	-2.880	-3.415				
88.0	-1.128	-2.652	-3.757	-4.080	-2.755				
83.0	-0.874	-1.135	-0.884	-2.884	-0.620				
86.0	-1.363	-1.192	-0.185	-1.260	-4.181				
100.0	-0.680	-0.586	-0.652	-0.688	-1.095				
2.5 (LOWER)	0.386	0.403	0.977	0.488	0.187				
5.0	0.350	0.271	0.376	0.448	0.181				
10.0	0.231	0.328	0.340	0.358	0.183				
24.0	0.231	0.243	0.304	0.288	0.187				
33.0	0.224	0.281	0.317	0.350	-0.055				
54.0	0.328	0.435	0.372	0.388	-0.558				
73.5	0.622	0.603	0.620	0.645	0.181				
84.0	0.689	0.278	-4.384	0.148	0.011				
86.0	0.578	-0.180	0.837	0.421	-0.088				

MINE PRESSURE COEFFICIENTS

RUN 353 POINT 4 ALPHA -0.00 PSI 0.00 HEIGHT 87.00									
I/C. X									
	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	0.002	-0.247	-1.181	-1.741	-2.000				
2.5	-0.060	-0.877	-1.547	-1.383	-2.036				
5.0	-0.523	-0.750	-0.973	-1.181	-1.393				
10.0	-0.514	-0.667	-0.860	-1.021	-1.130				
15.0	-0.530	-0.626	-0.823	-0.932	-1.016				
24.0	-0.521	-0.660	-0.781	-0.857	-0.911				
33.0	-0.534	-0.668	-0.846	-0.847	-0.905				
54.0	-1.166	-0.873	-1.075	-2.260	-1.302				
85.0	-0.132	-1.573	-1.581	-1.789	-1.900				
78.5	-0.132	-3.276	-5.023	-5.516	-5.800				
60.5	-87.882	-48.542	-68.010	-48.013	-44.220				
81.2	-7.898	-8.846	-7.826	-14.668	-10.112				
82.0	-3.044	-3.244	-5.328	-7.238	-10.212				
84.0	-0.187	-3.544	-0.566	-5.581	-6.224				
87.0	-0.388	-3.834	-0.616	-5.316	-4.873				
88.0	-1.322	-2.264	-3.802	-3.173	-2.173				
83.0	-1.150	-1.266	-1.080	-2.077	-0.127				
86.0	-1.531	-1.218	-0.258	-1.348	-0.123				
100.0	-0.832	-0.870	-0.692	-0.733	-1.100				
2.5 (LOWER)	0.210	0.180	0.390	0.431	0.370				
5.0	0.136	0.235	0.273	0.352	0.325				
10.0	0.128	0.235	0.247	0.268	0.218				
24.0	0.120	0.145	0.204	0.201	0.090				
33.0	0.123	0.185	0.221	0.274	-0.174				
54.0	0.243	0.181	0.300	0.342	-0.355				
73.5	0.544	0.361	0.610	0.673	0.218				
84.0	0.682	0.242	-4.294	0.114	-0.044				
86.0	0.508	0.074	0.587	0.381	-0.107				

RUN 354 POINT 1 ALPHA -0.01 PSI 0.00 HEIGHT 20.00									
I/C. X									
	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	0.002	-0.085	-1.048	-2.085	-3.159				
2.5	-0.572	-0.747	-1.268	-1.584	-2.077				
5.0	-0.460	-0.872	-0.954	-1.174	-1.210				
10.0	-0.450	-0.907	-0.787	-0.956	-1.032				
15.0	-0.432	-0.538	-0.718	-0.835	-0.828				
24.0	-0.426	-0.514	-0.640	-0.726	-0.718				
33.0	-0.425	-0.523	-0.681	-0.707	-0.697				
54.0	-0.518	-0.718	-0.848	-1.574	-1.048				
85.0	0.137	-1.153	-1.281	-1.431	-1.648				
78.5	0.130	-3.250	-4.377	-4.388	-4.878				
60.5	-88.248	-60.118	-80.760	-64.335	-28.883				
81.2	-3.538	-8.423	-4.430	-10.313	-10.168				
82.0	-2.843	-3.236	-3.182	-5.118	-7.744				
84.0	-0.681	-2.837	-0.182	-4.175	-5.482				
87.0	-3.020	-2.780	-3.317	-3.263	-4.352				
88.0	-0.286	-2.287	-2.703	-3.184	-3.184				
83.0	-0.884	-1.300	-2.488	-2.752	-2.458				
86.0	-0.817	-0.874	-0.748	-1.860	-0.138				
100.0	-0.013	-0.123	-0.048	-0.082	-0.517				
2.5 (LOWER)	0.444	0.500	0.548	0.544	0.484				
5.0	0.413	0.388	0.471	0.513	0.488				
10.0	0.357	0.437	0.448	0.453	0.380				
24.0	0.350	0.371	0.407	0.390	0.250				
33.0	0.360	0.407	0.427	0.440	0.118				
54.0	0.498	0.541	0.571	0.511	0.170				
73.5	0.680	0.755	0.670	0.486	0.156				
84.0	0.774	0.588	-3.457	0.553	2.438				
86.0	0.740	0.511	0.754	0.867	0.402				

RUN 353 POINT 3 ALPHA -0.04 PSI 0.00 HEIGHT 65.00									
I/C. X									
	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	0.048	-0.418	-1.310	-1.927	-2.832				
2.5	-0.538	-0.815	-1.504	-1.424	-1.882				
5.0	-0.550	-0.781	-1.013	-1.188	-1.456				
10.0	-0.585	-0.710	-0.885	-1.046	-1.182				
15.0	-0.551	-0.828	-0.848	-0.852	-1.028				
24.0	-0.531	-0.878	-0.788	-0.872	-0.877				
33.0	-0.548	-0.870	-0.858	-0.857	-0.818				
54.0	-1.191	-1.582	-1.084	-2.258	-1.318				
85.0	-0.135	-1.582	-1.680	-1.786	-1.895				
78.5	-67.435	-4.385	-5.032	-5.524	-5.878				
60.5	-7.848	-8.061	-7.822	-14.735	-10.408				
81.2	-3.873	-3.518	-5.350	-7.234	-10.288				
82.0	-0.201	-3.323	-0.532	-5.562	-6.283				
84.0	-5.323	-4.326	-5.020	-4.343	-4.817				
87.0	-0.353	-3.906	-3.188	-3.042	-3.610				
88.0	-1.322	-2.208	-3.883	-4.188	-2.200				
83.0	-1.131	-1.268	-1.082	-2.884	-0.133				
86.0	-0.810	-1.215	-0.267	-1.354	-4.152				
100.0	-0.663	-0.763	-0.725	-0.439	-0.376				
2.5 (LOWER)	0.250	0.321	0.407	0.332	0.318				
5.0	0.286	0.178	0.281	0.386	0.322				
10.0	0.142	0.245	0.265	0.277	0.218				
24.0	0.143	0.152	0.213	0.208	0.103				
33.0	0.128	0.184	0.234	0.281	-0.174				
54.0	0.248	0.361	0.404	0.349	-0.557				
73.5	0.555	0.630	0.614	0.056	0.212				
84.0	0.872	0.248	-4.322	0.122	-0.037				
86.0	0.508	-0.062	0.587	0.388	-0.085				

MINO PRESSURE COEFFICIENTS

RUN 354 POINT 4 ALPHA	0.00 PSI	0.00 HEIGHT	87.00
X/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	0.235	-0.150	-0.827
2.5	-0.508	-0.744	-1.212
5.0	-0.450	-0.647	-1.066
10.0	-0.478	-0.590	-0.880
15.0	-0.488	-0.542	-0.704
20.0	-0.483	-0.560	-0.655
25.0	-0.473	-0.570	-0.703
30.0	-0.454	-0.520	-0.743
35.0	-0.423	-0.492	-0.777
40.0	-0.354	-0.420	-0.842
45.0	-0.258	-0.314	-0.930
50.0	-0.144	-0.194	-1.048
55.0	-0.020	-0.068	-1.192
60.0	0.113	0.214	-1.352
65.0	0.235	0.335	-1.527
70.0	0.354	0.454	-1.707
75.0	0.473	0.573	-1.892
80.0	0.592	0.692	-2.082
85.0	0.711	0.811	-2.277
90.0	0.830	0.930	-2.477
95.0	0.949	1.049	-2.682
100.0	1.068	1.168	-2.892
105.0	1.187	1.287	-3.107
110.0	1.306	1.406	-3.327
115.0	1.425	1.525	-3.552
120.0	1.544	1.644	-3.782
125.0	1.663	1.763	-4.017
130.0	1.782	1.882	-4.257
135.0	1.901	2.001	-4.502
140.0	2.020	2.120	-4.752
145.0	2.139	2.239	-5.007
150.0	2.258	2.358	-5.267
155.0	2.377	2.477	-5.532
160.0	2.496	2.596	-5.802
165.0	2.615	2.715	-6.077
170.0	2.734	2.834	-6.357
175.0	2.853	2.953	-6.642
180.0	2.972	3.072	-6.932
185.0	3.091	3.191	-7.227
190.0	3.210	3.310	-7.527
195.0	3.329	3.429	-7.832
200.0	3.448	3.548	-8.142
205.0	3.567	3.667	-8.457
210.0	3.686	3.786	-8.777
215.0	3.805	3.905	-9.102
220.0	3.924	4.024	-9.432
225.0	4.043	4.143	-9.767
230.0	4.162	4.262	-10.107
235.0	4.281	4.381	-10.452
240.0	4.400	4.500	-10.802
245.0	4.519	4.619	-11.157
250.0	4.638	4.738	-11.517
255.0	4.757	4.857	-11.877
260.0	4.876	4.976	-12.242
265.0	4.995	5.095	-12.612
270.0	5.114	5.214	-12.987
275.0	5.233	5.333	-13.367
280.0	5.352	5.452	-13.752
285.0	5.471	5.571	-14.142
290.0	5.590	5.690	-14.537
295.0	5.709	5.809	-14.937
300.0	5.828	5.928	-15.342
305.0	5.947	6.047	-15.752
310.0	6.066	6.166	-16.167
315.0	6.185	6.285	-16.587
320.0	6.304	6.404	-17.012
325.0	6.423	6.523	-17.442
330.0	6.542	6.642	-17.877
335.0	6.661	6.761	-18.317
340.0	6.780	6.880	-18.762
345.0	6.899	6.999	-19.212
350.0	7.018	7.118	-19.667
355.0	7.137	7.237	-20.127
360.0	7.256	7.356	-20.592
365.0	7.375	7.475	-21.062
370.0	7.494	7.594	-21.537
375.0	7.613	7.713	-22.017
380.0	7.732	7.832	-22.502
385.0	7.851	7.951	-22.992
390.0	7.970	8.070	-23.487
395.0	8.089	8.189	-23.987
400.0	8.208	8.308	-24.492
405.0	8.327	8.427	-25.002
410.0	8.446	8.546	-25.517
415.0	8.565	8.665	-26.037
420.0	8.684	8.784	-26.562
425.0	8.803	8.903	-27.092
430.0	8.922	9.022	-27.627
435.0	9.041	9.141	-28.167
440.0	9.160	9.260	-28.712
445.0	9.279	9.379	-29.262
450.0	9.398	9.498	-29.817
455.0	9.517	9.617	-30.377
460.0	9.636	9.736	-30.942
465.0	9.755	9.855	-31.512
470.0	9.874	9.974	-32.087
475.0	9.993	10.093	-32.667
480.0	10.112	10.212	-33.252
485.0	10.231	10.331	-33.842
490.0	10.350	10.450	-34.437
495.0	10.469	10.569	-35.037
500.0	10.588	10.688	-35.642
505.0	10.707	10.807	-36.252
510.0	10.826	10.926	-36.867
515.0	10.945	11.045	-37.487
520.0	11.064	11.164	-38.112
525.0	11.183	11.283	-38.742
530.0	11.302	11.402	-39.377
535.0	11.421	11.521	-40.017
540.0	11.540	11.640	-40.662
545.0	11.659	11.759	-41.312
550.0	11.778	11.878	-41.967
555.0	11.897	11.997	-42.627
560.0	12.016	12.116	-43.292
565.0	12.135	12.235	-43.962
570.0	12.254	12.354	-44.637
575.0	12.373	12.473	-45.317
580.0	12.492	12.592	-45.992
585.0	12.611	12.711	-46.672
590.0	12.730	12.830	-47.357
595.0	12.849	12.949	-48.042
600.0	12.968	13.068	-48.732
605.0	13.087	13.187	-49.427
610.0	13.206	13.306	-50.127
615.0	13.325	13.425	-50.832
620.0	13.444	13.544	-51.542
625.0	13.563	13.663	-52.257
630.0	13.682	13.782	-52.972
635.0	13.801	13.901	-53.692
640.0	13.920	14.020	-54.417
645.0	14.039	14.139	-55.142
650.0	14.158	14.258	-55.872
655.0	14.277	14.377	-56.607
660.0	14.396	14.496	-57.342
665.0	14.515	14.615	-58.082
670.0	14.634	14.734	-58.827
675.0	14.753	14.853	-59.577
680.0	14.872	14.972	-60.332
685.0	14.991	15.091	-61.092
690.0	15.110	15.210	-61.857
695.0	15.229	15.329	-62.627
700.0	15.348	15.448	-63.402
705.0	15.467	15.567	-64.182
710.0	15.586	15.686	-64.967
715.0	15.705	15.805	-65.752
720.0	15.824	15.924	-66.542
725.0	15.943	16.043	-67.337
730.0	16.062	16.162	-68.132
735.0	16.181	16.281	-68.932
740.0	16.300	16.400	-69.737
745.0	16.419	16.519	-70.542
750.0	16.538	16.638	-71.352
755.0	16.657	16.757	-72.162
760.0	16.776	16.876	-72.972
765.0	16.895	16.995	-73.782
770.0	17.014	17.114	-74.592
775.0	17.133	17.233	-75.402
780.0	17.252	17.352	-76.212
785.0	17.371	17.471	-77.022
790.0	17.490	17.590	-77.832
795.0	17.609	17.709	-78.642
800.0	17.728	17.828	-79.452
805.0	17.847	17.947	-80.262
810.0	17.966	18.066	-81.072
815.0	18.085	18.185	-81.882
820.0	18.204	18.304	-82.692
825.0	18.323	18.423	-83.502
830.0	18.442	18.542	-84.312
835.0	18.561	18.661	-85.122
840.0	18.680	18.780	-85.932
845.0	18.799	18.899	-86.742
850.0	18.918	19.018	-87.552
855.0	19.037	19.137	-88.362
860.0	19.156	19.256	-89.172
865.0	19.275	19.375	-90.002
870.0	19.394	19.494	-90.812
875.0	19.513	19.613	-91.622
880.0	19.632	19.732	-92.432
885.0	19.751	19.851	-93.242
890.0	19.870	19.970	-94.052
895.0	19.989	20.089	-94.862
900.0	20.108	20.208	-95.672
905.0	20.227	20.327	-96.482
910.0	20.346	20.446	-97.292
915.0	20.465	20.565	-98.102
920.0	20.584	20.684	-98.912
925.0	20.703	20.803	-99.722
930.0	20.822	20.922	-100.532
935.0	20.941	21.041	-101.342
940.0	21.060	21.160	-102.152
945.0	21.179	21.279	-102.962
950.0	21.298	21.398	-103.772
955.0	21.417	21.517	-104.582
960.0	21.536	21.636	-105.392
965.0	21.655	21.755	-106.202
970.0	21.774	21.874	-107.012
975.0	21.893	21.993	-107.822
980.0	22.012	22.093	-108.632
985.0	22.131	22.231	-109.442
990.0	22.250	22.350	-110.252
995.0	22.369	22.469	-111.062
1000.0	22.488	22.588	-111.872

MINO PRESSURE COEFFICIENTS

RUN 354 POINT 2 ALPHA	-0.05 PSI	0.00 HEIGHT	32.87
X/C, %	BP 2	BP 6	BP 12
0.0 (UPPER)	0.192	-0.434	-2.087
2.5	-0.558	-0.857	-1.858
5.0	-0.474	-1.103	-1.344
10.0	-0.477	-0.814	-0.937
15.0	-0.448	-0.548	-0.888
20.0	-0.450	-0.545	-0.787
25.0	-0.481	-0.554	-0.774
30.0	-0.543	-0.783	-0.774
35.0	-0.628	-1.261	-0.719
40.0	-0.726	-1.510	-0.582
45.0	-0.830	-1.710	-0.461
50.0	-0.939	-1.910	-0.351
55.0	-1.053	-2.110	-0.251
60.0	-1.172	-2.310	-0.161
65.0	-1.296	-2.510	0.029
70.0	-1.425	-2.710	0.229
75.0	-1.559	-2.910	0.429
80.0	-1.698	-3.110	0.629
85.0	-1.842	-3.310	0.829
90.0	-1.991	-3.510	1.029
95.0	-2.145	-3.710	1.229
100.0	-2.304	-3.910	1.429
105.0	-2.468	-4.110	1.629
110.0	-2.637	-4.310	1.829
115.0	-2.811	-4.510	2.029
120.0	-2.990	-4.710	2.229
125.0	-3.174	-4.910	2.429
130.0	-3.363	-5.110	2.629
135.0	-3.557	-5.310	2.829
140.0	-3.756	-5.510	3.029
145.0	-3.960	-5.710	3.229
150.0	-4.169	-5.910	3.429
155.0	-4.383	-6.110	3.629
160.0	-4.602	-6.310	3.829
165.0	-4.826	-6.510	4.029
170.0	-5.055	-6.710	4.229
175.0	-5.289	-6.910	4.429
180.0	-5.528	-7.110	4.629
185.0	-5.772	-7.310	4.829
190.0	-6.021	-7.510	5.029
195.0	-6.275	-7.710	5.229
200.0	-6.534	-7.910	5.429
205.0	-6.798	-8.110	5.629
210.0	-7.067	-8.310	5.829
215.0	-7.341	-8.510	6.029
220.0	-7.620	-8.710	6.229
225.0	-7.904	-8.910	6.429
230.0	-8.193	-9.110	6.629
235.0	-8.487	-9.310	6.829
240.0	-8.786	-9.510	7.029
245.0	-9.090	-9.710	7.229
250.0	-9.399	-9.910	7.429
2			

MINE PRESSURE COEFFICIENTS

RUN 356 POINT 1 ALPHA 8.02 PSI		-5.01 HEIGHT 48.40		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %		BP 2		BP 6		BP 12		BP 16		BP 22			
0.0 (UPPER)		-3.491		-3.072		-3.862		-2.897		-2.276		-2.276	
2.5		-1.234		-4.823		-3.488		-2.818		-2.276		-2.276	
5.0		-1.361		-1.450		-2.283		-2.988		-2.276		-2.276	
10.0		-1.118		-1.050		-2.783		-2.178		-2.276		-2.276	
15.0		-0.881		-1.050		-2.187		-2.172		-2.276		-2.276	
20.0		-0.853		-0.853		-1.257		-2.258		-2.276		-2.276	
25.0		-0.768		-0.768		-0.822		-1.238		-2.276		-2.276	
30.0		-0.725		-0.725		-1.017		-1.384		-2.276		-2.276	
35.0		-0.613		-1.310		-1.071		-1.384		-2.276		-2.276	
40.0		-0.619		-3.991		-4.488		-4.311		-2.276		-2.276	
45.0		-3.301		-3.572		-4.488		-4.311		-2.276		-2.276	
50.0		-3.368		-0.586		-4.528		-3.785		-2.276		-2.276	
55.0		-1.282		-3.373		-0.858		-4.854		-2.276		-2.276	
60.0		-3.593		-2.801		-3.844		-3.887		-2.276		-2.276	
65.0		-2.784		-2.784		-2.758		-2.812		-2.276		-2.276	
70.0		-1.092		-2.733		-2.908		-3.368		-2.276		-2.276	
75.0		-0.928		-1.082		-1.148		-2.284		-2.276		-2.276	
80.0		-1.158		-0.928		-0.908		-1.278		-2.276		-2.276	
85.0		-0.928		-0.147		-0.178		-0.178		-2.276		-2.276	
90.0		-0.928		-0.923		-0.401		-0.322		-2.276		-2.276	
95.0		-0.923		-0.838		-0.315		-0.408		-2.276		-2.276	
100.0		-0.838		-0.530		-0.558		-0.503		-2.276		-2.276	
2.5 (LOWER)		-0.530		-0.417		-0.437		-0.384		-2.276		-2.276	
5.0		-0.388		-0.388		-0.428		-0.428		-2.276		-2.276	
10.0		-0.388		-0.388		-0.428		-0.428		-2.276		-2.276	
15.0		-0.388		-0.428		-0.428		-0.428		-2.276		-2.276	
20.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
25.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
30.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
35.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
40.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
45.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
50.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
55.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
60.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
65.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
70.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
75.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
80.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
85.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
90.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
95.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	
100.0		-0.428		-0.428		-0.428		-0.428		-2.276		-2.276	

MINE PRESSURE COEFFICIENTS

RUN 355 POINT 2 ALPHA 8.01 PSI		0.00 HEIGHT 85.84		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %		BP 2		BP 6		BP 12		BP 16		BP 22			
0.0 (UPPER)		-2.808		-4.848		-6.870		-4.018		-2.390		-2.390	
2.5		-1.815		-2.217		-2.841		-4.161		-2.383		-2.383	
5.0		-1.221		-1.883		-2.284		-4.438		-2.356		-2.356	
10.0		-1.022		-1.311		-1.732		-4.153		-2.387		-2.387	
15.0		-0.819		-1.106		-1.473		-1.744		-2.326		-2.326	
20.0		-0.818		-0.848		-1.218		-1.873		-2.488		-2.488	
25.0		-0.748		-0.878		-1.136		-1.907		-2.488		-2.488	
30.0		-0.883		-1.007		-1.222		-1.988		-2.355		-2.355	
35.0		-0.937		-1.188		-1.872		-1.734		-2.329		-2.329	
40.0		-0.937		-2.052		-4.483		-5.087		-5.183		-5.183	
45.0		-3.345		-4.511		-4.213		-4.878		-32.850		-32.850	
50.0		-3.597		-7.473		-4.664		-11.097		-0.045		-0.045	
55.0		-3.388		-3.388		-4.411		-5.838		-0.252		-0.252	
60.0		-1.287		-3.284		-4.080		-4.868		-7.022		-7.022	
65.0		-3.587		-3.346		-3.810		-3.988		-5.754		-5.754	
70.0		-0.787		-2.778		-2.880		-2.880		-4.258		-4.258	
75.0		-1.127		-1.728		-2.847		-3.338		-3.338		-3.338	
80.0		-0.970		-1.641		-1.148		-2.328		-0.017		-0.017	
85.0		-1.183		-0.882		-0.528		-1.310		-3.880		-3.880	
90.0		-0.185		-0.128		-0.188		-0.188		-0.548		-0.548	
95.0		-0.185		-0.458		-0.458		-0.458		-0.385		-0.385	
100.0		-0.458		-0.590		-0.590		-0.590		-0.480		-0.480	
2.5 (LOWER)		-0.484		-0.572		-0.531		-0.531		-0.407		-0.407	
5.0		-0.484		-0.394		-0.428		-0.428		-0.248		-0.248	
10.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
15.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
20.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
25.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
30.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
35.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
40.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
45.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
50.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
55.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
60.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
65.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
70.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
75.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
80.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
85.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
90.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
95.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	
100.0		-0.394		-0.394		-0.428		-0.428		-0.248		-0.248	

MINE PRESSURE COEFFICIENTS

RUN 356 POINT 2 ALPHA 8.00 PSI		-5.01 HEIGHT 85.88		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %		BP 2		BP 6		BP 12		BP 16		BP 22			
0.0 (UPPER)		-3.250		-3.105		-4.248		-3.245		-2.387		-2.387	
2.5		-1.771		-3.838		-3.838		-3.488		-2.387		-2.387	
5.0		-1.320		-1.424		-2.758		-3.528		-2.387		-2.387	
10.0		-1.091		-1.244		-2.168		-2.821		-2.387		-2.387	
15.0		-0.847		-0.847		-1.078		-2.878		-2.387		-2.387	
20.0		-0.847		-0.847		-1.263		-1.383		-2.387		-2.387	
25.0		-0.770		-0.881		-1.087		-0.817		-2.387		-2.387	
30.0		-0.738		-1.043		-1.173		-1.572		-2.387		-2.387	
35.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
40.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
45.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
50.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
55.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
60.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
65.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
70.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
75.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
80.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
85.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
90.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
100.0		-0.644		-1.584		-1.818		-1.137		-2.387		-2.387	
		0.820		0.810		0.487		0.397		0.322		0.227	
2.5	(LOWEST)	0.820		0.407		0.487		0.460		0.477		0.353	
10.0		0.568		0.545		0.460		0.460		0.460		0.156	
25.0		0.376		0.383		0.415		0.503		0.425		0.173	
50.0		0.368		0.389		0.477		0.658		0.498		0.112	
75.0		0.487		0.754		0.754		-0.255		0.582		0.413	
90.0		0.858		0.813		0.810		-0.255		0.582		0.413	
100.0		0.813		0.813		0.813		-0.255		0.582		0.413	
90.0		0.733		0.652		0.652		0.765		0.765		0.444	

MINO PRESSURE COEFFICIENTS

MIN 356 POINT 3 ALPHA 0.05 PSI -5.01 HEIGHT 07.31									
I/C, %	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	-3.181	-3.445	-4.833	-3.750	-2.441				
2.5	-1.762	-2.451	-2.938	-2.451	-2.430				
5.0	-1.311	-1.978	-2.536	-2.084	-2.482				
10.0	-1.007	-1.629	-2.045	-1.629	-2.045				
15.0	-0.872	-1.442	-1.824	-1.442	-1.824				
20.0	-0.838	-1.359	-1.741	-1.359	-1.741				
25.0	-0.778	-1.274	-1.656	-1.274	-1.656				
30.0	-0.718	-1.189	-1.571	-1.189	-1.571				
35.0	-0.658	-1.104	-1.486	-1.104	-1.486				
40.0	-0.598	-1.019	-1.401	-1.019	-1.401				
45.0	-0.538	-0.934	-1.316	-0.934	-1.316				
50.0	-0.478	-0.849	-1.231	-0.849	-1.231				
55.0	-0.418	-0.764	-1.146	-0.764	-1.146				
60.0	-0.358	-0.679	-1.061	-0.679	-1.061				
65.0	-0.298	-0.594	-0.976	-0.594	-0.976				
70.0	-0.238	-0.509	-0.891	-0.509	-0.891				
75.0	-0.178	-0.424	-0.806	-0.424	-0.806				
80.0	-0.118	-0.339	-0.721	-0.339	-0.721				
85.0	-0.058	-0.254	-0.636	-0.254	-0.636				
90.0	-0.000	-0.169	-0.551	-0.169	-0.551				
95.0	-0.000	-0.084	-0.466	-0.084	-0.466				
100.0	-0.000	-0.000	-0.381	-0.000	-0.381				
2.5 (LOWER)	0.000	0.000	0.381	0.000	0.381				
5.0	0.000	0.000	0.762	0.000	0.762				
10.0	0.000	0.000	1.524	0.000	1.524				
15.0	0.000	0.000	2.286	0.000	2.286				
20.0	0.000	0.000	3.048	0.000	3.048				
25.0	0.000	0.000	3.810	0.000	3.810				
30.0	0.000	0.000	4.572	0.000	4.572				
35.0	0.000	0.000	5.334	0.000	5.334				
40.0	0.000	0.000	6.096	0.000	6.096				
45.0	0.000	0.000	6.858	0.000	6.858				
50.0	0.000	0.000	7.620	0.000	7.620				
55.0	0.000	0.000	8.382	0.000	8.382				
60.0	0.000	0.000	9.144	0.000	9.144				
65.0	0.000	0.000	9.906	0.000	9.906				
70.0	0.000	0.000	10.668	0.000	10.668				
75.0	0.000	0.000	11.430	0.000	11.430				
80.0	0.000	0.000	12.192	0.000	12.192				
85.0	0.000	0.000	12.954	0.000	12.954				
90.0	0.000	0.000	13.716	0.000	13.716				
95.0	0.000	0.000	14.478	0.000	14.478				
100.0	0.000	0.000	15.240	0.000	15.240				

MINO PRESSURE COEFFICIENTS

MIN 357 POINT 2 ALPHA -0.03 PSI -5.01 HEIGHT 32.81									
I/C, %	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	-0.150	-0.607	-1.811	-2.994	-2.888				
2.5	-0.445	-0.778	-1.210	-1.975	-2.527				
5.0	-0.835	-0.701	-0.835	-1.150	-2.115				
10.0	-0.485	-0.600	-0.700	-0.953	-1.692				
15.0	-0.452	-0.553	-0.714	-0.916	-1.618				
20.0	-0.471	-0.542	-0.651	-0.771	-1.672				
25.0	-0.482	-0.582	-0.661	-0.726	-1.678				
30.0	-0.484	-0.702	-0.918	-1.376	-1.877				
35.0	-0.484	-0.782	-0.918	-1.376	-1.877				
40.0	-0.484	-0.782	-0.918	-1.376	-1.877				
45.0	-0.484	-0.782	-0.918	-1.376	-1.877				
50.0	-0.484	-0.782	-0.918	-1.376	-1.877				
55.0	-0.484	-0.782	-0.918	-1.376	-1.877				
60.0	-0.484	-0.782	-0.918	-1.376	-1.877				
65.0	-0.484	-0.782	-0.918	-1.376	-1.877				
70.0	-0.484	-0.782	-0.918	-1.376	-1.877				
75.0	-0.484	-0.782	-0.918	-1.376	-1.877				
80.0	-0.484	-0.782	-0.918	-1.376	-1.877				
85.0	-0.484	-0.782	-0.918	-1.376	-1.877				
90.0	-0.484	-0.782	-0.918	-1.376	-1.877				
95.0	-0.484	-0.782	-0.918	-1.376	-1.877				
100.0	-0.484	-0.782	-0.918	-1.376	-1.877				
2.5 (LOWER)	0.427	0.444	0.444	0.444	0.444				
5.0	0.382	0.382	0.382	0.382	0.382				
10.0	0.325	0.325	0.325	0.325	0.325				
15.0	0.277	0.277	0.277	0.277	0.277				
20.0	0.229	0.229	0.229	0.229	0.229				
25.0	0.181	0.181	0.181	0.181	0.181				
30.0	0.133	0.133	0.133	0.133	0.133				
35.0	0.085	0.085	0.085	0.085	0.085				
40.0	0.037	0.037	0.037	0.037	0.037				
45.0	0.000	0.000	0.000	0.000	0.000				
50.0	0.000	0.000	0.000	0.000	0.000				
55.0	0.000	0.000	0.000	0.000	0.000				
60.0	0.000	0.000	0.000	0.000	0.000				
65.0	0.000	0.000	0.000	0.000	0.000				
70.0	0.000	0.000	0.000	0.000	0.000				
75.0	0.000	0.000	0.000	0.000	0.000				
80.0	0.000	0.000	0.000	0.000	0.000				
85.0	0.000	0.000	0.000	0.000	0.000				
90.0	0.000	0.000	0.000	0.000	0.000				
95.0	0.000	0.000	0.000	0.000	0.000				
100.0	0.000	0.000	0.000	0.000	0.000				

MIN 357 POINT 1 ALPHA 0.01 PSI -5.01 HEIGHT 20.21

I/C, %	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	-0.283	-1.022	-2.384	-2.100	-1.827				
2.5	-0.076	-0.856	-1.342	-2.101	-1.576				
5.0	-0.092	-0.713	-0.877	-1.305	-1.524				
10.0	-0.473	-0.568	-0.806	-0.952	-1.484				
15.0	-0.441	-0.531	-0.764	-0.834	-1.383				
20.0	-0.442	-0.523	-0.827	-0.740	-1.043				
25.0	-0.427	-0.517	-0.848	-0.700	-0.708				
30.0	-0.747	-0.724	-0.854	-1.575	-1.018				
35.0	0.127	-1.175	-1.283	-1.431	-1.558				
40.0	0.124	-3.205	-1.824	-4.415	-4.751				
45.0	-0.142	-0.122	-0.874	-0.517	-28.292				
50.0	-3.283	-0.582	-1.415	-10.448	-0.712				
55.0	-0.717	-0.582	-0.197	-5.143	-7.772				
60.0	-3.009	-0.678	-2.222	-4.186	-5.508				
65.0	-0.246	-2.318	-2.227	-3.364	-4.358				
70.0	-0.627	-1.307	-2.274	-2.786	-3.168				
75.0	-0.487	-0.688	-0.748	-1.851	-0.149				
80.0	-0.745	-0.584	-0.170	-0.916	-0.149				
85.0	-0.216	-0.194	-0.104	-0.154	-0.568				
90.0	-0.487	-0.502	0.505	0.463	0.463				
95.0	-0.487	-0.419	0.478	0.478	0.407				
100.0	-0.487	-0.419	0.478	0.478	0.407				
2.5 (LOWER)	0.000	0.000	0.000	0.000	0.000				
5.0	0.000	0.000	0.000	0.000	0.000				
10.0	0.000	0.000	0.000	0.000	0.000				
15.0	0.000	0.000	0.000	0.000	0.000				
20.0	0.000	0.000	0.000	0.000	0.000				
25.0	0.000	0.000	0.000	0.000	0.000				
30.0	0.000	0.000	0.000	0.000	0.000				
35.0	0.000	0.000	0.000	0.000	0.000				
40.0	0.000	0.000	0.000	0.000	0.000				
45.0	0.000	0.000	0.000	0.000	0.000				
50.0	0.000	0.000	0.000	0.000	0.000				
55.0	0.000	0.000	0.000	0.000	0.000				
60.0	0.000	0.000	0.000	0.000	0.000				
65.0	0.000	0.000	0.000	0.000	0.000				
70.0	0.000	0.000	0.000	0.000	0.000				
75.0	0.000	0.000	0.000	0.000	0.000				
80.0	0.000	0.000	0.000	0.000	0.000				
85.0	0.000	0.000	0.000	0.000	0.000				
90.0	0.000	0.000	0.000	0.000	0.000				
95.0	0.000	0.000	0.000	0.000	0.000				
100.0	0.000	0.000	0.000	0.000	0.000				

MING PRESSURE COEFFICIENTS

MIN 358 POINT 2 ALPHA		-0.03 PSI		-5.01 HEIGHT 32.83	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)		0.425	0.290	0.181	0.075
2.5		-0.237	-0.221	-0.427	-0.481
5.0		-0.212	-0.293	-0.350	-0.384
10.0		-0.233	-0.275	-0.321	-0.343
15.0		-0.210	-0.248	-0.264	-0.282
20.0		-0.187	-0.222	-0.244	-0.245
24.0		-0.169	-0.203	-0.232	-0.210
33.0		-0.114	-0.142	-0.251	-0.231
54.0		0.045	-0.321	-0.354	-0.310
82.0		0.637	-0.407	-0.517	-0.625
78.5		-0.431	-0.407	-0.517	-0.625
80.5		-0.440	-0.400	-0.495	-0.506
81.5		-0.409	-0.378	-0.506	-0.506
82.0		-0.474	-0.378	-0.510	-0.510
82.5		-0.468	-0.482	-0.341	-0.350
84.0		-0.400	-0.455	-0.482	-0.518
85.0		-0.478	-0.478	-0.488	-0.509
86.0		-0.555	-0.482	-0.507	-0.501
88.0		-0.571	-0.447	-0.512	-0.548
100.0	(LOWER)	-0.478	-0.378	-0.468	-0.518
2.5		0.212	0.222	0.230	0.248
5.0		0.188	0.138	0.181	0.192
10.0		0.150	0.177	0.143	0.155
15.0		0.095	0.102	0.125	0.111
24.0		0.122	0.138	0.157	0.182
33.0		0.240	0.271	0.321	0.288
54.0		0.503	0.600	0.573	0.622
73.5		0.807	0.750	-0.851	0.765
84.0		0.401	0.584	0.400	0.388
86.0					0.282

MING PRESSURE COEFFICIENTS

MIN 358 POINT 3 ALPHA		-0.05 PSI		-5.01 HEIGHT 85.84	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)		0.473	0.352	0.249	0.180
2.5		-0.217	-0.291	-0.388	-0.390
5.0		-0.202	-0.278	-0.328	-0.300
10.0		-0.224	-0.265	-0.268	-0.237
15.0		-0.210	-0.248	-0.240	-0.218
24.0		-0.208	-0.234	-0.245	-0.248
33.0		-0.180	-0.222	-0.258	-0.270
54.0		0.122	-0.250	-0.263	-0.239
85.0		0.625	-0.333	-0.368	-0.319
78.5		0.018	-0.551	-0.572	-0.585
80.5		-0.483	-0.410	-0.548	-0.608
81.5		-0.483	-0.410	-0.548	-0.608
82.0		-0.485	-0.388	-0.510	-0.510
82.5		-0.485	-0.388	-0.510	-0.510
84.0		-0.485	-0.478	-0.537	-0.537
85.0		-0.503	-0.470	-0.564	-0.564
86.0		-0.481	-0.488	-0.564	-0.564
88.0		-0.583	-0.485	-0.524	-0.584
92.0		-0.578	-0.481	-0.532	-0.571
98.0		-0.444	-0.373	-0.488	-0.492
100.0	(LOWER)	0.160	0.174	0.195	0.190
2.5		0.140	0.101	0.134	0.148
5.0		0.113	0.137	0.108	0.118
10.0		0.088	0.074	0.093	0.075
24.0		0.088	0.110	0.083	0.065
33.0		0.216	0.248	0.302	0.278
54.0		0.547	0.585	0.626	0.429
73.5		0.888	0.764	-0.877	0.774
84.0		0.472	0.568	0.368	0.375
86.0					0.277

MING PRESSURE COEFFICIENTS

MIN 357 POINT 4 ALPHA		-0.07 PSI		-5.01 HEIGHT 87.06	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)		0.621	-0.481	-1.264	-2.782
2.5		-0.504	-0.854	-1.325	-1.768
5.0		-0.504	-0.854	-1.325	-1.768
10.0		-0.487	-0.803	-1.264	-1.763
15.0		-0.475	-0.750	-1.203	-1.703
24.0		-0.403	-0.587	-1.078	-1.753
33.0		-0.489	-0.588	-0.707	-1.753
54.0		-0.777	-0.888	-0.883	-1.112
82.0		-0.057	-1.384	-1.578	-1.745
78.5		-0.665	-1.812	-1.578	-1.745
80.5		-4.624	-6.556	-4.341	-2.897
81.5		-3.718	-7.518	-3.141	-2.897
82.0		-3.504	-6.818	-3.141	-2.897
82.5		-1.300	-3.273	-0.831	-0.672
84.0		-3.608	-3.331	-2.834	-3.487
85.0		-0.785	-2.760	-2.595	-2.177
86.0		-1.130	-1.730	-2.777	-2.471
88.0		-0.927	-1.037	-1.442	-0.638
92.0		-1.140	-0.881	-1.421	-3.157
100.0	(LOWER)	-0.215	0.222	-0.208	-0.112
2.5		0.335	0.364	0.407	0.383
5.0		0.300	0.252	0.336	0.336
10.0		0.235	0.308	0.280	0.234
15.0		0.188	0.240	0.225	0.133
24.0		0.210	0.293	0.281	-0.068
33.0		0.310	0.350	0.389	0.177
54.0		0.590	0.672	0.588	0.184
73.5		0.882	0.865	-3.488	-0.851
84.0		0.676	0.811	0.878	-0.085
86.0					0.182

MING PRESSURE COEFFICIENTS

MIN 358 POINT 1 ALPHA		-0.01 PSI		-5.01 HEIGHT 18.38	
X/C, %		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)		0.388	0.211	0.039	-0.148
2.5		-0.288	-0.316	-0.484	-0.528
5.0		-0.228	-0.310	-0.383	-0.415
10.0		-0.241	-0.287	-0.342	-0.350
15.0		-0.210	-0.263	-0.301	-0.325
24.0		-0.201	-0.235	-0.238	-0.243
33.0		-0.173	-0.211	-0.238	-0.262
54.0		-0.103	-0.238	-0.248	-0.229
85.0		0.082	-0.315	-0.348	-0.308
78.5		0.057	-0.520	-0.512	-0.587
80.5		-0.455	-0.446	-0.512	-0.505
81.5		-0.475	-0.480	-0.435	-0.544
82.0		-0.475	-0.475	-0.475	-0.475
82.5		-0.475	-0.475	-0.475	-0.475
84.0		-0.478	-0.374	-0.189	-0.488
85.0		-0.488	-0.455	-0.324	-0.578
86.0		-0.508	-0.447	-0.471	-0.578
88.0		-0.493	-0.462	-0.475	-0.604
92.0		-0.378	-0.480	-0.487	-0.545
98.0		-0.590	-0.454	-0.503	-0.588
100.0	(LOWER)	-0.418	-0.373	-0.458	-0.610
2.5		0.282	0.273	0.282	0.282
5.0		0.228	0.184	0.228	0.243
10.0		0.187	0.225	0.181	0.188
15.0		0.144	0.151	0.187	0.151
24.0		0.167	0.185	0.187	0.216
33.0		0.277	0.305	0.350	0.260
54.0		0.588	0.637	0.587	0.423
73.5		0.883	0.760	-0.588	0.822
84.0		0.472	0.725	0.385	0.385
86.0					0.282

WING PRESSURE COEFFICIENTS

WING 350 POINT 4 ALPHA 0.00 PSI -5.01 HEIGHT 47.22

I/C. X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	0.478	0.359	0.262	0.213	0.175
2.5	-0.214	-0.207	-0.366	-0.401	-0.387
5.0	-0.190	-0.274	-0.324	-0.337	-0.358
7.5	-0.224	-0.282	-0.306	-0.336	-0.332
10.0	-0.212	-0.252	-0.278	-0.311	-0.278
15.0	-0.208	-0.234	-0.244	-0.283	-0.249
24.0	-0.178	-0.223	-0.261	-0.234	-0.223
33.0	-0.109	-0.250	-0.283	1.401	0.240
54.0	-0.024	-0.333	-0.370	0.624	0.310
65.0	-0.017	-0.550	-0.573	-0.586	0.651
78.5	-0.447	-0.487	-0.530	-0.536	0.680
80.5	-0.457	-0.468	-0.489	-0.500	0.694
81.5	-0.476	-0.743	-0.514	-0.519	0.702
82.0	-0.477	-0.462	-0.516	-0.531	0.670
84.0	-0.469	-0.488	-0.576	-0.568	0.650
87.0	-0.488	-0.457	-0.689	-0.538	0.654
88.0	-0.555	-0.489	-0.853	-0.583	0.872
89.0	-0.578	-0.457	-0.572	-0.584	0.839
90.0	-0.442	-0.395	-0.488	-0.448	0.857
100.0 (LOWER)	0.183	0.189	0.187	0.180	0.184
2.5	0.136	0.098	0.130	0.143	0.125
5.0	0.111	0.132	0.101	0.114	0.071
10.0	0.061	0.071	0.080	0.077	0.063
24.0	0.068	0.107	0.128	0.150	0.025
33.0	0.214	0.247	0.289	0.277	0.420
54.0	0.547	0.583	0.559	0.638	0.446
72.5	0.889	0.782	-0.681	0.785	0.419
84.0	0.470	0.589	0.390	0.375	0.278
96.0					

WING PRESSURE COEFFICIENTS

WING 350 POINT 2 ALPHA 0.03 PSI -5.01 HEIGHT 80.61

I/C. X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.324	-2.700	-3.884	-3.056	-1.382
2.5	-1.111	-1.209	-1.000	-2.864	-1.128
5.0	-0.818	-1.038	-1.250	-2.824	-1.061
7.5	-0.648	-0.777	-0.937	-0.907	-1.019
10.0	-0.568	-0.843	-0.744	-0.832	-0.991
15.0	-0.465	-0.562	-0.582	-0.578	-0.903
24.0	-0.372	-0.480	-0.480	-0.463	-0.783
33.0	-0.268	-0.374	-0.409	1.470	-0.554
54.0	-0.040	-0.419	-0.475	0.477	-0.598
65.0	-0.040	-0.814	-0.829	0.660	-0.821
78.5	-0.509	-0.521	-0.504	-0.611	-0.531
80.5	-0.534	-0.532	-0.522	-0.656	0.021
81.5	-0.558	0.752	-0.558	-0.575	0.900
82.0	-0.548	-0.681	-0.758	-0.599	0.881
84.0	-0.547	-0.578	-0.418	-0.688	0.876
87.0	-0.583	-0.529	-0.528	-0.693	-0.876
88.0	-0.578	-0.549	-0.555	-0.838	-0.887
89.0	-0.853	-0.579	-0.580	-0.863	-0.950
90.0	-0.883	-0.530	-0.584	-0.848	-0.848
100.0 (LOWER)	-0.481	-0.441	-0.527	-0.821	-0.824
2.5	0.508	0.518	0.491	0.482	0.408
5.0	0.482	0.380	0.470	0.478	0.408
10.0	0.398	0.475	0.390	0.409	0.307
24.0	0.268	0.262	0.285	0.262	0.168
33.0	0.241	0.261	0.270	0.269	0.442
54.0	0.290	0.324	0.385	0.374	0.431
72.5	0.587	0.640	0.584	0.642	0.458
84.0	0.752	0.809	-0.882	0.842	0.445
96.0	0.493	0.454	0.408	0.358	0.211

WING 350 POINT 1 ALPHA 0.05 PSI -5.01 HEIGHT 47.30

I/C. X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.616	-2.842	-4.075	-3.021	-1.330
2.5	-1.136	-1.434	-1.852	-2.617	-1.122
5.0	-0.834	-1.058	-1.285	-2.647	-1.078
7.5	-0.875	-0.785	-0.954	-1.301	-1.073
10.0	-0.574	-0.854	-0.760	-0.661	-0.994
15.0	-0.466	-0.569	-0.573	-0.558	-0.920
24.0	-0.377	-0.431	-0.498	-0.453	-0.806
33.0	-0.208	-0.374	-0.406	1.411	-0.588
54.0	-0.048	-0.418	-0.473	-0.473	0.648
65.0	-0.028	-0.820	-0.820	-0.853	0.832
78.5	-0.504	-0.523	-0.573	-0.611	0.843
80.5	-0.530	-0.528	-0.510	-0.638	0.825
81.5	-0.558	0.745	-0.545	-0.537	0.817
82.0	-0.548	-0.458	-0.233	-0.597	0.897
84.0	-0.566	-0.524	-0.406	-0.886	0.886
87.0	-0.546	-0.532	-0.351	-0.804	0.890
88.0	-0.578	-0.538	-0.344	-0.829	0.895
89.0	-0.658	-0.585	-0.568	-0.855	0.861
90.0	-0.659	-0.525	-0.571	-0.838	0.855
100.0 (LOWER)	-0.475	-0.436	-0.514	-0.611	-0.738
2.5	0.578	0.524	0.496	0.483	0.468
5.0	0.508	0.402	0.481	0.487	0.410
10.0	0.412	0.485	0.411	0.420	0.310
24.0	0.284	0.282	0.300	0.275	0.178
33.0	0.259	0.275	0.281	0.303	0.048
54.0	0.300	0.337	0.372	0.331	0.422
72.5	0.604	0.648	0.589	0.638	0.450
84.0	0.758	0.788	-0.890	0.808	0.433
96.0	0.501	0.484	0.414	0.383	0.211

WING 350 POINT 3 ALPHA 0.02 PSI -5.01 HEIGHT 87.08

I/C. X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-1.473	-2.828	-3.784	-3.007	-1.280
2.5	-1.105	-1.280	-1.790	-2.709	-1.140
5.0	-0.818	-1.033	-1.248	-2.611	-1.090
7.5	-0.668	-0.787	-0.927	-0.850	-1.090
10.0	-0.570	-0.649	-0.744	-0.658	-1.003
15.0	-0.470	-0.507	-0.505	-0.508	-0.948
24.0	-0.377	-0.430	-0.488	-0.470	-0.754
33.0	-0.215	-0.278	-0.412	1.438	-0.542
54.0	-0.034	-0.426	-0.482	0.486	-0.585
65.0	-0.028	-0.825	-0.841	-0.868	-0.828
78.5	-0.514	-0.529	-0.537	-0.609	-0.828
80.5	-0.543	-0.540	-0.531	-0.678	0.015
81.5	-0.585	-0.776	-0.587	-0.749	-0.824
82.0	-0.583	-0.483	-0.245	-0.612	-0.902
84.0	-0.583	-0.538	-0.429	-0.864	-0.852
87.0	-0.588	-0.537	-0.539	-0.875	-0.875
88.0	-0.590	-0.552	-0.585	-0.848	-0.993
89.0	-0.872	-0.581	-0.589	-0.873	-0.953
90.0	-0.872	-0.541	-0.584	-0.856	-0.852
100.0 (LOWER)	-0.482	-0.455	-0.538	-0.832	-0.841
2.5	0.562	0.514	0.495	0.478	0.447
5.0	0.484	0.381	0.461	0.472	0.402
10.0	0.380	0.480	0.388	0.402	0.298
24.0	0.240	0.283	0.280	0.253	0.183
33.0	0.238	0.254	0.270	0.284	0.038
54.0	0.283	0.319	0.338	0.318	0.438
72.5	0.585	0.638	0.582	0.632	0.480
84.0	0.744	0.828	-0.868	0.841	0.457
96.0	0.490	0.450	0.405	0.354	0.207

WING PRESSURE COEFFICIENTS

NUM 360 POINT 3 ALPHA 8.04 PSI 0.00 HEIGHT 87.01		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0 (UPPER)		-0.894		-1.093		-2.043		-3.445		-1.736	
2.5		-0.873		-1.277		-1.873		-1.873		-1.414	
5.0		-0.750		-0.961		-1.180		-1.555		-1.350	
10.0		-0.829		-0.742		-0.908		-1.099		-1.333	
15.0		-0.546		-0.627		-0.715		-0.816		-1.125	
20.0		-0.451		-0.476		-0.549		-0.642		-0.766	
24.0		-0.384		-0.414		-0.474		-0.507		-0.516	
31.0		-0.357		-0.384		-0.380		-0.397		-0.431	
34.0		-0.181		-0.151		-0.151		-0.151		-0.471	
45.0		0.045		0.045		0.045		0.045		0.045	
55.0		0.038		0.038		0.038		0.038		0.038	
78.5		0.030		0.030		0.030		0.030		0.030	
80.5		0.030		0.030		0.030		0.030		0.030	
81.5		0.030		0.030		0.030		0.030		0.030	
82.0		0.030		0.030		0.030		0.030		0.030	
84.0		0.030		0.030		0.030		0.030		0.030	
87.0		0.030		0.030		0.030		0.030		0.030	
89.0		0.030		0.030		0.030		0.030		0.030	
92.0		0.030		0.030		0.030		0.030		0.030	
95.0		0.030		0.030		0.030		0.030		0.030	
100.0 (LOWER)		0.030		0.030		0.030		0.030		0.030	

WING PRESSURE COEFFICIENTS

NUM 360 POINT 1 ALPHA 8.07 PSI 0.00 HEIGHT 47.50		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0 (UPPER)		-1.180		-2.258		-3.574		-1.408		-1.408	
2.5		-1.021		-1.346		-2.738		-1.268		-1.268	
5.0		-0.775		-1.004		-1.486		-1.182		-1.182	
10.0		-0.846		-0.761		-1.182		-1.182		-1.182	
15.0		-0.550		-0.832		-0.978		-0.810		-0.810	
20.0		-0.450		-0.488		-0.638		-0.638		-0.638	
24.0		-0.384		-0.414		-0.481		-0.481		-0.481	
31.0		-0.357		-0.354		-0.354		-0.354		-0.354	
34.0		-0.187		-0.151		-0.151		-0.151		-0.151	
45.0		0.060		0.060		0.060		0.060		0.060	
55.0		0.052		0.052		0.052		0.052		0.052	
78.5		0.040		0.040		0.040		0.040		0.040	
80.5		0.040		0.040		0.040		0.040		0.040	
81.5		0.040		0.040		0.040		0.040		0.040	
82.0		0.040		0.040		0.040		0.040		0.040	
84.0		0.040		0.040		0.040		0.040		0.040	
87.0		0.040		0.040		0.040		0.040		0.040	
89.0		0.040		0.040		0.040		0.040		0.040	
92.0		0.040		0.040		0.040		0.040		0.040	
95.0		0.040		0.040		0.040		0.040		0.040	
100.0 (LOWER)		0.040		0.040		0.040		0.040		0.040	

WING PRESSURE COEFFICIENTS

NUM 361 POINT 1 ALPHA -0.01 PSI 0.00 HEIGHT 19.15		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0 (UPPER)		0.520		0.303		0.224		0.136		0.000	
2.5		-0.220		-0.323		-0.406		-0.506		-0.513	
5.0		-0.223		-0.360		-0.392		-0.412		-0.430	
10.0		-0.254		-0.268		-0.268		-0.268		-0.268	
15.0		-0.245		-0.265		-0.265		-0.265		-0.265	
20.0		-0.242		-0.257		-0.257		-0.257		-0.257	
24.0		-0.202		-0.242		-0.242		-0.242		-0.242	
31.0		-0.224		-0.237		-0.237		-0.237		-0.237	
34.0		0.648		0.310		0.275		0.275		0.275	
45.0		0.648		0.310		0.275		0.275		0.275	
55.0		0.648		0.310		0.275		0.275		0.275	
78.5		0.648		0.310		0.275		0.275		0.275	
80.5		0.648		0.310		0.275		0.275		0.275	
81.5		0.648		0.310		0.275		0.275		0.275	
82.0		0.648		0.310		0.275		0.275		0.275	
84.0		0.648		0.310		0.275		0.275		0.275	
87.0		0.648		0.310		0.275		0.275		0.275	
89.0		0.648		0.310		0.275		0.275		0.275	
92.0		0.648		0.310		0.275		0.275		0.275	
95.0		0.648		0.310		0.275		0.275		0.275	
100.0 (LOWER)		0.648		0.310		0.275		0.275		0.275	

WING PRESSURE COEFFICIENTS

NUM 360 POINT 2 ALPHA 0.05 PSI 0.00 HEIGHT 65.67		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0 (UPPER)		-1.074		-2.125		-3.215		-3.535		-1.833	
2.5		-0.997		-1.313		-1.723		-2.060		-1.326	
5.0		-0.769		-0.988		-1.216		-1.387		-1.269	
10.0		-0.643		-0.756		-0.916		-1.030		-1.073	
15.0		-0.548		-0.627		-0.726		-0.838		-1.128	
20.0		-0.481		-0.560		-0.558		-0.652		-0.834	
24.0		-0.430		-0.416		-0.460		-0.512		-0.585	
28.0		-0.379		-0.360		-0.402		-0.448		-0.526	
32.0		-0.348		-0.348		-0.375		-0.409		-0.474	
36.0		-0.328		-0.328		-0.337		-0.354		-0.418	
40.0		-0.308		-0.308		-0.333		-0.354		-0.408	
44.0		-0.288		-0.288		-0.335		-0.358		-0.408	
48.0		-0.267		-0.267		-0.335		-0.358		-0.408	
52.0		-0.246		-0.246		-0.335		-0.358		-0.408	
56.0		-0.225		-0.225		-0.335		-0.358		-0.408	
60.0		-0.204		-0.204		-0.335		-0.358		-0.408	
64.0		-0.183		-0.183		-0.335		-0.358		-0.408	
68.0		-0.162		-0.162		-0.335		-0.358		-0.408	
72.0		-0.141		-0.141		-0.335		-0.358		-0.408	
76.0		-0.120		-0.120		-0.335		-0.358		-0.408	
80.0		-0.100		-0.100		-0.335		-0.358		-0.408	
84.0		-0.079		-0.079		-0.335		-0.358		-0.408	
88.0		-0.058		-0.058		-0.335		-0.358		-0.408	
92.0		-0.037		-0.037		-0.335		-0.358		-0.408	
96.0		-0.016		-0.016		-0.335		-0.358		-0.408	
100.0		0.000		0.000		0.000		0.000		0.000	
2.5 (LOWER)		0.541		0.552		0.562		0.573		0.583	
5.0		0.471		0.390		0.363		0.345		0.330	
10.0		0.375		0.288		0.268		0.258		0.248	
16.0		0.235		0.208		0.412		0.436		0.340	
24.0		0.135		0.168		0.289		0.274		0.200	
32.0		0.036		0.236		0.286		0.365		0.053	
40.0		0.298		0.321		0.373		0.339		0.447	
48.0		0.564		0.620		0.617		0.684		0.475	
56.0		0.757		0.844		0.835		0.857		0.772	
64.0		0.941		1.028		1.019		1.041		0.955	
72.0		1.125		1.212		1.203		1.225		1.139	
80.0		1.310		1.397		1.388		1.410		1.324	
88.0		1.494		1.581		1.572		1.594		1.508	
96.0		1.679		1.766		1.757		1.779		1.693	
100.0		1.863		1.950		1.941		1.963		1.877	

WING PRESSURE COEFFICIENTS

RUN 361 POINT 2 ALPHA -0.63 PSI		0.00 HEIGHT 32.82			
X/C, Z		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)	0.588	0.457	0.346	0.284	0.267
2.5	-0.189	-0.285	-0.386	-0.413	-0.391
5.0	-0.195	-0.288	-0.335	-0.347	-0.358
10.0	-0.228	-0.321	-0.351	-0.354	-0.351
15.0	-0.219	-0.283	-0.284	-0.277	-0.277
20.0	-0.231	-0.240	-0.247	-0.264	-0.250
25.0	-0.189	-0.227	-0.266	-0.247	-0.234
30.0	-0.221	-0.244	-0.287	1.437	-0.247
35.0	0.038	-0.375	-0.373	-0.373	-0.331
40.0	0.027	-0.341	-0.586	-0.645	65.0
45.0	0.027	-0.341	-0.586	-0.645	78.5
50.0	-0.463	-0.434	-0.535	-0.551	80.5
55.0	-0.417	-0.454	-0.472	-0.587	80.5
60.0	-0.431	-0.431	-0.530	-0.542	81.5
65.0	-0.429	-0.377	-0.213	-0.551	82.0
70.0	-0.418	-0.430	-0.373	-0.583	84.0
75.0	-0.428	-0.431	-0.504	-0.552	87.0
80.0	-0.407	-0.433	-0.505	-0.577	88.0
85.0	-0.448	-0.450	-0.525	-0.604	93.0
90.0	-0.430	-0.417	-0.532	-0.648	95.0
95.0	-0.371	-0.368	-0.466	-0.588	100.0
2.5 (LOWER)	0.122	0.183	0.260	0.299	0.218
5.0	0.113	0.110	0.108	0.164	0.148
10.0	0.105	0.136	0.116	0.138	0.148
15.0	0.083	0.084	0.105	0.085	0.085
20.0	0.095	0.124	0.148	0.189	0.044
25.0	0.241	0.263	0.312	0.292	0.431
30.0	0.535	0.577	0.608	0.847	0.481
35.0	0.566	0.746	-0.893	0.844	0.486
40.0	0.433	0.443	0.418	0.398	0.307

WING PRESSURE COEFFICIENTS

RUN 361 POINT 4 ALPHA -0.07 PSI		0.00 HEIGHT 87.00			
X/C, Z		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)	0.588	0.523	0.455	0.410	0.399
2.5	-0.118	-0.190	-0.285	-0.300	-0.272
5.0	-0.148	-0.215	-0.270	-0.270	-0.262
10.0	-0.190	-0.215	-0.270	-0.270	-0.260
15.0	-0.190	-0.223	-0.245	-0.282	-0.258
20.0	-0.213	-0.218	-0.220	-0.275	-0.258
25.0	-0.167	-0.206	-0.234	-0.224	-0.217
30.0	-0.182	-0.230	-0.251	-0.236	-0.217
35.0	0.037	-0.310	-0.362	-0.399	-0.350
40.0	0.027	-0.525	-0.577	-0.567	-0.517
45.0	-0.298	-0.435	-0.530	-0.540	-0.602
50.0	-0.408	-0.437	-0.483	-0.505	-0.585
55.0	-0.418	-0.783	-0.815	-0.824	-0.783
60.0	-0.414	-0.370	-0.315	-0.343	-0.372
65.0	-0.403	-0.427	-0.416	-0.374	-0.354
70.0	-0.425	-0.414	-0.388	-0.338	-0.344
75.0	-0.398	-0.438	-0.381	-0.372	-0.377
80.0	-0.437	-0.444	-0.521	-0.572	-0.577
85.0	-0.425	-0.411	-0.444	-0.500	-0.525
90.0	-0.383	-0.383	-0.422	-0.458	-0.483
95.0	-0.283	-0.102	-0.133	-0.140	-0.148
100.0	0.073	0.070	0.073	0.100	0.095
2.5 (LOWER)	0.060	0.068	0.073	0.090	0.094
5.0	0.041	0.053	0.079	0.061	0.071
10.0	0.078	0.104	0.128	0.148	0.043
15.0	0.231	0.249	0.300	0.304	0.448
20.0	0.510	0.567	0.588	0.800	0.478
25.0	0.538	0.729	-0.827	0.860	0.483
30.0	0.425	0.437	0.415	0.397	0.315

WING PRESSURE COEFFICIENTS

RUN 361 POINT 3 ALPHA -0.06 PSI		0.00 HEIGHT 85.89			
X/C, Z		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)	0.578	0.501	0.421	0.377	0.368
2.5	-0.144	-0.218	-0.315	-0.337	-0.308
5.0	-0.187	-0.233	-0.286	-0.295	-0.304
10.0	-0.208	-0.239	-0.285	-0.317	-0.316
15.0	-0.203	-0.245	-0.260	-0.287	-0.257
20.0	-0.217	-0.221	-0.222	-0.288	-0.213
25.0	-0.178	-0.199	-0.258	-0.235	-0.223
30.0	-0.235	-0.235	-0.258	1.434	-0.241
35.0	0.034	-0.318	-0.370	-0.388	-0.328
40.0	0.024	-0.543	-0.585	-0.582	-0.644
45.0	-0.407	-0.450	-0.538	-0.550	70.0
50.0	-0.402	-0.434	-0.477	-0.584	0.027
55.0	-0.432	-0.768	-0.508	-0.527	0.700
60.0	-0.418	-0.385	-0.228	-0.558	-0.678
65.0	-0.403	-0.431	-0.380	-0.602	0.667
70.0	-0.425	-0.418	-0.505	-0.541	-0.850
75.0	-0.401	-0.432	-0.508	-0.577	0.617
80.0	-0.441	-0.451	-0.528	-0.605	0.051
85.0	-0.441	-0.417	-0.534	-0.583	0.858
90.0	-0.355	-0.368	-0.438	-0.585	0.888
95.0	0.088	0.118	0.144	0.158	0.187
100.0	0.073	0.081	0.115	0.123	0.107
2.5 (LOWER)	0.073	0.101	0.084	0.107	0.098
5.0	0.042	0.064	0.082	0.085	0.072
10.0	0.074	0.106	0.132	0.154	0.042
15.0	0.232	0.248	0.301	0.283	0.443
20.0	0.523	0.588	0.608	0.858	0.471
25.0	0.541	0.733	-0.886	0.852	0.481
30.0	0.424	0.435	0.412	0.394	0.308

WING PRESSURE COEFFICIENTS

RUN 362 POINT 2 ALPHA 0.03 PSI		0.00 HEIGHT 87.42			
X/C, Z		BP 2	BP 6	BP 12	BP 22
0.0 (UPPER)	0.588	0.500	0.434	0.405	0.387
2.5	-0.135	-0.248	-0.337	-0.356	-0.328
5.0	-0.171	-0.278	-0.311	-0.326	-0.344
10.0	-0.216	-0.278	-0.306	-0.342	-0.318
15.0	-0.224	-0.278	-0.298	-0.313	-0.280
20.0	-0.218	-0.239	-0.281	-0.289	-0.260
25.0	-0.194	-0.222	-0.268	-0.256	-0.240
30.0	-0.280	-0.248	-0.284	1.006	-0.263
35.0	0.043	-0.341	-0.385	-0.382	-0.377
40.0	0.030	-0.553	-0.598	-0.632	-0.600
45.0	-0.428	-0.488	-0.539	-0.575	-0.740
50.0	-0.410	-0.464	-0.522	-0.561	0.446
55.0	-0.458	-0.437	-0.587	-0.608	-0.750
60.0	-0.435	-0.460	-0.583	-0.621	-0.800
65.0	-0.406	-0.438	-0.483	-0.525	-0.738
70.0	-0.485	-0.447	-0.570	-0.653	-0.893
75.0	-0.437	-0.458	-0.547	-0.614	-0.723
80.0	-0.468	-0.471	-0.555	-0.627	0.443
85.0	-0.470	-0.457	-0.589	-0.654	-0.718
90.0	-0.393	-0.418	-0.524	-0.614	-0.718
95.0	0.082	0.095	0.127	0.155	0.184
100.0	0.084	0.048	0.100	0.113	0.091
2.5 (LOWER)	0.053	0.073	0.071	0.083	0.055
5.0	0.037	0.037	0.076	0.068	0.059
10.0	0.051	0.091	0.142	0.142	0.041
15.0	0.230	0.247	0.288	0.274	0.357
20.0	0.524	0.583	0.607	0.807	0.510
25.0	0.541	0.562	-0.730	0.505	0.432
30.0	0.409	0.432	0.465	0.398	0.306

MINI-GUN PRESSURE COEFFICIENTS

MM 382 POINT	3 ALPHA	4.06 PSI	0.00 HEIGHT	87.32	BP 22	BP 16	BP 12	BP 6	BP 2	5 ALPHA	12.04 PSI	BP 4	BP 2	BP 12	0.00 HEIGHT	87.75
I/C, %																
0.0 (UPPER)																
2.5	-0.009	-0.328	-0.736	-0.970	-1.160	-1.112	-1.012	-0.890	-2.830	-0.000	-2.510	-0.810	-2.310	-0.810	-2.310	-1.340
5.0	-0.578	-0.787	-1.139	-0.952	-1.112	-0.852	-1.139	-0.852	-1.612	-2.100	-2.337	-0.852	-2.337	-0.852	-2.337	-1.377
10.0	-0.495	-0.559	-0.708	-0.778	-0.841	-0.641	-0.841	-0.641	-1.165	-1.523	-1.523	-1.074	-1.523	-1.074	-1.523	-1.248
15.0	-0.415	-0.517	-0.598	-0.697	-0.834	-0.697	-0.834	-0.697	-0.817	-1.145	-1.304	-1.145	-1.304	-1.145	-1.304	-1.248
20.0	-0.373	-0.458	-0.513	-0.555	-0.516	-0.458	-0.513	-0.458	-0.700	-0.938	-1.180	-0.938	-1.180	-0.938	-1.180	-1.154
24.0	-0.334	-0.370	-0.410	-0.455	-0.410	-0.370	-0.410	-0.370	-0.627	-0.868	-1.053	-0.868	-1.053	-0.868	-1.053	-1.154
33.0	-0.282	-0.324	-0.387	-0.362	-0.352	-0.324	-0.352	-0.324	-0.497	-0.588	-0.769	-0.588	-0.769	-0.588	-0.769	-1.178
40.0	-0.285	-0.311	-0.353	-0.393	-0.345	-0.311	-0.345	-0.311	-0.441	-0.441	-0.537	-0.441	-0.537	-0.441	-0.537	-1.178
54.0	-0.058	-0.283	-0.450	-0.450	-0.395	-0.283	-0.450	-0.395	-0.650	-0.479	-0.552	-0.479	-0.552	-0.479	-0.552	-0.810
68.0	0.051	-0.560	-0.823	-0.858	-0.738	-0.560	-0.823	-0.738	-0.943	-0.875	-0.748	-0.875	-0.748	-0.875	-0.748	-0.810
78.5	-0.460	-0.515	-0.577	-0.588	-0.788	-0.515	-0.577	-0.588	-0.525	-0.525	-0.693	-0.525	-0.693	-0.525	-0.693	-0.810
80.5	-0.462	-0.442	-0.534	-0.622	-0.682	-0.442	-0.534	-0.622	-0.531	-0.531	-0.693	-0.531	-0.693	-0.531	-0.693	-0.810
81.5	-0.502	-0.620	-0.684	-0.628	-0.775	-0.502	-0.684	-0.628	-0.537	-0.537	-0.693	-0.537	-0.693	-0.537	-0.693	-0.810
82.0	-0.503	-0.686	-0.771	-0.638	-0.744	-0.503	-0.686	-0.638	-0.498	-0.498	-0.693	-0.498	-0.693	-0.498	-0.693	-0.810
84.0	-0.504	-0.689	-0.696	-0.683	-0.744	-0.504	-0.689	-0.683	-0.498	-0.498	-0.693	-0.498	-0.693	-0.498	-0.693	-0.810
87.0	-0.501	-0.488	-0.588	-0.588	-0.768	-0.501	-0.488	-0.588	-0.498	-0.498	-0.693	-0.498	-0.693	-0.498	-0.693	-0.810
88.0	-0.541	-0.500	-0.578	-0.641	-0.785	-0.541	-0.500	-0.641	-0.581	-0.581	-0.785	-0.581	-0.785	-0.581	-0.785	-0.810
93.0	-0.542	-0.518	-0.585	-0.657	-0.769	-0.542	-0.518	-0.657	-0.628	-0.628	-0.785	-0.628	-0.785	-0.628	-0.785	-0.810
96.0	-0.543	-0.498	-0.548	-0.653	-0.749	-0.543	-0.498	-0.653	-0.628	-0.628	-0.785	-0.628	-0.785	-0.628	-0.785	-0.810
100.0	-0.434	-0.444	-0.548	-0.647	-0.757	-0.434	-0.444	-0.647	-0.483	-0.483	-0.579	-0.483	-0.579	-0.483	-0.579	-0.810
0.0 (LOWER)																
2.5	0.371	0.380	0.446	0.453	0.457	0.453	0.446	0.453	0.874	0.006	0.561	0.568	0.568	0.561	0.568	0.375
5.0	0.210	0.222	0.246	0.246	0.245	0.246	0.246	0.245	0.801	0.506	0.508	0.508	0.506	0.508	0.508	0.317
10.0	0.214	0.204	0.255	0.278	0.236	0.278	0.236	0.245	0.509	0.002	0.578	0.531	0.531	0.578	0.531	0.424
24.0	0.130	0.143	0.184	0.170	0.136	0.170	0.136	0.184	0.334	0.350	0.308	0.308	0.350	0.308	0.308	0.286
33.0	0.142	0.167	0.189	0.225	0.091	0.225	0.091	0.189	0.319	0.334	0.257	0.257	0.319	0.257	0.257	0.092
40.0	0.271	0.285	0.327	0.301	0.339	0.327	0.301	0.339	0.261	0.373	0.400	0.373	0.400	0.373	0.373	0.304
73.5	0.588	0.601	0.637	0.493	0.613	0.637	0.493	0.613	0.838	0.874	0.642	0.642	0.874	0.642	0.642	0.497
84.0	0.835	0.550	-0.703	0.502	0.430	0.502	0.430	0.502	0.754	0.642	0.430	0.642	0.754	0.430	0.430	0.414
96.0	0.415	0.436	-0.404	0.16	0.282	0.404	0.16	0.282	0.468	0.468	0.468	0.468	0.468	0.468	0.468	0.241

MINI PRESSURE COEFFICIENTS

RUN 382 POINT 5 ALPHA 12.04 PSI	0.00 HEIGHT 87.75
Z/C, %	BP 2 BP 6 BP 12 BP 16 BP 22
0.0 (UPPER)	-2.830 -0.880 -2.910 -2.910 -1.345
2.5	-1.812 -2.100 -2.400 -2.400 -1.377
5.0	-1.186 -1.523 -1.874 -1.874 -1.049
10.0	-0.917 -1.143 -1.364 -1.364 -0.925
15.0	-0.790 -0.938 -1.180 -1.180 -0.814
20.0	-0.627 -0.808 -0.971 -0.971 -0.653
32.0	-0.487 -0.598 -0.700 -0.700 -0.501
54.0	-0.351 -0.411 -0.537 -0.537 -0.376
75.0	-0.250 -0.279 -0.352 -0.352 -0.200
85.0	-0.235 -0.301 -0.373 -0.373 -0.188
90.0	-0.321 -0.391 -0.460 -0.460 -0.254
95.0	-0.357 -0.411 -0.440 -0.440 -0.250
98.0	-0.369 -0.408 -0.315 -0.315 -0.262
100.0	-0.311 -0.313 -0.322 -0.322 -0.260
(LOWER)	-0.383 -0.345 -0.440 -0.440 -0.260
2.5	-0.383 -0.359 -0.375 -0.375 -0.262
5.0	-0.420 -0.384 -0.405 -0.405 -0.262
10.0	-0.421 -0.349 -0.404 -0.404 -0.262
15.0	-0.483 -0.455 -0.379 -0.379 -0.262
20.0	-0.466 -0.466 -0.361 -0.361 -0.262
32.0	-0.460 -0.460 -0.361 -0.361 -0.262
54.0	-0.460 -0.460 -0.361 -0.361 -0.262
75.0	-0.460 -0.460 -0.361 -0.361 -0.262
85.0	-0.460 -0.460 -0.361 -0.361 -0.262
90.0	-0.460 -0.460 -0.361 -0.361 -0.262
95.0	-0.460 -0.460 -0.361 -0.361 -0.262
98.0	-0.460 -0.460 -0.361 -0.361 -0.262
100.0	-0.460 -0.460 -0.361 -0.361 -0.262

RUN 382 POINT 6 ALPHA 18.07 PSI	0.00 HEIGHT 87.03
Z/C, %	BP 2 BP 6 BP 12 BP 16 BP 22
0.0 (UPPER)	-4.833 -2.649 -1.400 -1.400 -0.900
2.5	-2.283 -2.408 -2.438 -2.438 -0.891
5.0	-1.851 -2.378 -2.444 -2.444 -0.860
10.0	-1.280 -2.247 -2.381 -2.381 -0.807
15.0	-1.087 -2.124 -2.355 -2.355 -0.856
20.0	-0.837 -2.231 -2.326 -2.326 -0.807
32.0	-0.656 -0.854 -2.278 -2.278 -0.807
54.0	-0.380 -0.480 -0.878 -0.878 -0.847
75.0	-0.325 -0.489 -0.861 -0.861 -0.847
85.0	-0.027 -0.749 -0.770 -0.770 -0.890
90.0	-0.600 -0.683 -0.831 -0.831 -0.725
95.0	-0.607 -0.590 -0.781 -0.781 -0.716
98.0	-0.642 -0.622 -0.769 -0.769 -0.712
100.0	-0.628 -0.587 -0.785 -0.785 -0.712
(LOWER)	-0.576 -0.602 -0.641 -0.641 -0.709
2.5	-0.818 -0.816 -0.770 -0.770 -0.709
5.0	-0.818 -0.816 -0.770 -0.770 -0.709
10.0	-0.818 -0.816 -0.770 -0.770 -0.709
15.0	-0.818 -0.816 -0.770 -0.770 -0.709
20.0	-0.818 -0.816 -0.770 -0.770 -0.709
32.0	-0.818 -0.816 -0.770 -0.770 -0.709
54.0	-0.818 -0.816 -0.770 -0.770 -0.709
75.0	-0.818 -0.816 -0.770 -0.770 -0.709
85.0	-0.818 -0.816 -0.770 -0.770 -0.709
90.0	-0.818 -0.816 -0.770 -0.770 -0.709
95.0	-0.818 -0.816 -0.770 -0.770 -0.709
98.0	-0.818 -0.816 -0.770 -0.770 -0.709
100.0	-0.818 -0.816 -0.770 -0.770 -0.709

NUM 362	POINT 4	ALPHA 3.06	PSI 0.00	HEIGHT 87.69
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L/C, %	BP 2	BP 6	BP 12	BP 16	BP 22	L/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
C. (UPPER)											
2.5	-1.052	-2.110	-3.173	-3.597	-1.787	0.0	-4.833	-2.649	-1.469	-1.320	-0.890
5.0	-1.018	-1.346	-1.743	-2.012	-1.471	2.5	-2.283	-2.408	-1.438	-1.187	-0.891
10.0	-0.779	-1.004	-1.239	-1.423	-1.416	5.0	-1.851	-2.376	-1.484	-1.194	-0.868
15.0	-0.652	-0.784	-0.933	-1.057	-1.374	10.0	-1.381	-2.247	-1.381	-1.193	-0.807
20.0	-0.577	-0.683	-0.787	-0.855	-1.101	15.0	-1.087	-2.124	-1.355	-1.121	-0.856
25.0	-0.467	-0.517	-0.582	-0.662	-0.804	20.0	-0.837	-1.831	-1.278	-1.113	-0.847
30.0	-0.390	-0.427	-0.487	-0.536	-0.644	25.0	-0.656	-1.624	-1.078	-0.920	-0.787
35.0	-0.315	-0.346	-0.428	-0.473	-0.451	30.0	-0.480	-1.400	-0.878	-0.838	-0.737
40.0	-0.258	-0.280	-0.353	-0.313	-0.485	35.0	-0.325	-1.178	-0.640	-0.601	-0.525
45.0	-0.201	-0.218	-0.288	-0.240	-0.408	40.0	-0.227	-0.949	-0.478	-0.438	-0.375
50.0	-0.153	-0.168	-0.235	-0.180	-0.360	45.0	-0.155	-0.749	-0.371	-0.330	-0.276
55.0	-0.103	-0.115	-0.178	-0.128	-0.280	50.0	-0.090	-0.603	-0.317	-0.268	-0.216
60.0	-0.062	-0.068	-0.128	-0.080	-0.200	55.0	-0.040	-0.500	-0.250	-0.200	-0.150
65.0	-0.038	-0.045	-0.095	-0.053	-0.160	60.0	-0.020	-0.420	-0.210	-0.160	-0.110
70.0	-0.025	-0.030	-0.065	-0.040	-0.130	65.0	-0.010	-0.360	-0.180	-0.130	-0.080
75.0	-0.015	-0.018	-0.040	-0.025	-0.100	70.0	-0.005	-0.300	-0.150	-0.100	-0.050
80.0	-0.008	-0.010	-0.030	-0.018	-0.080	75.0	-0.002	-0.250	-0.120	-0.080	-0.040
85.0	-0.004	-0.005	-0.018	-0.010	-0.060	80.0	-0.001	-0.200	-0.100	-0.060	-0.030
90.0	-0.002	-0.003	-0.010	-0.005	-0.040	85.0	-0.000	-0.150	-0.070	-0.040	-0.020
95.0	-0.001	-0.001	-0.005	-0.002	-0.030	90.0	-0.000	-0.100	-0.050	-0.030	-0.010
100.0	-0.000	-0.000	-0.000	-0.000	-0.000	100.0	-0.000	-0.050	-0.020	-0.010	-0.000
C. (LOWER)											
2.5	0.570	0.554	0.578	0.553	0.542	2.5	0.738	0.850	0.815	0.959	0.912
5.0	0.447	0.373	0.498	0.517	0.466	5.0	0.725	0.598	0.640	0.603	0.532
10.0	0.361	0.478	0.407	0.427	0.348	10.0	0.623	0.683	0.575	0.584	0.452
15.0	0.281	0.249	0.195	0.267	0.195	15.0	0.413	0.427	0.442	0.401	0.306
20.0	0.231	0.195	0.148	0.207	0.148	20.0	0.381	0.384	0.407	0.413	0.041
25.0	0.226	0.251	0.278	0.287	0.058	25.0	0.391	0.394	0.407	0.438	0.381
30.0	0.310	0.323	0.350	0.330	0.371	30.0	0.401	0.401	0.438	0.473	

WING PRESSURE COEFFICIENTS

RUN 362 POINT 7 ALPHA 22.05 PSI		6.00 HEIGHT 88.15		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %													
0.0 (UPPER)	-1.402	-1.316	-1.185	-1.048	-0.923	-0.844							
2.5	-1.316	-1.136	-0.992	-0.856	-0.742	-0.658							
5.0	-1.222	-1.042	-0.906	-0.780	-0.676	-0.592							
10.0	-1.128	-0.948	-0.812	-0.696	-0.602	-0.518							
15.0	-1.034	-0.854	-0.718	-0.602	-0.508	-0.424							
20.0	-0.940	-0.760	-0.624	-0.508	-0.414	-0.330							
25.0	-0.846	-0.666	-0.530	-0.414	-0.320	-0.236							
30.0	-0.752	-0.572	-0.436	-0.320	-0.226	-0.142							
35.0	-0.658	-0.478	-0.342	-0.226	-0.132	-0.048							
40.0	-0.564	-0.384	-0.248	-0.132	-0.038	0.046							
45.0	-0.470	-0.290	-0.154	-0.038	0.056	0.140							
50.0	-0.376	-0.196	-0.060	0.056	0.156	0.240							
55.0	-0.282	-0.102	0.030	0.156	0.256	0.340							
60.0	-0.188	0.000	0.134	0.256	0.356	0.440							
65.0	-0.094	0.090	0.224	0.356	0.456	0.540							
70.0	0.000	0.180	0.314	0.456	0.556	0.640							
75.0	0.094	0.270	0.404	0.556	0.656	0.740							
80.0	0.188	0.360	0.494	0.656	0.756	0.840							
85.0	0.282	0.450	0.584	0.756	0.856	0.940							
90.0	0.376	0.540	0.674	0.856	0.956	1.040							
95.0	0.470	0.630	0.764	0.956	1.056	1.140							
100.0 (LOWER)	0.564	0.720	0.854	1.056	1.156	1.240							

WING PRESSURE COEFFICIENTS

RUN 363 POINT 1 ALPHA -0.02 PSI		6.00 HEIGHT 88.05		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %													
0.0 (UPPER)	0.238	-0.582	-0.238	-0.978	-1.026	-2.480							
2.5	-0.582	-0.922	-0.582	-1.327	-1.281	-1.605							
5.0	-0.922	-1.262	-0.922	-1.676	-1.630	-1.950							
10.0	-1.262	-1.602	-1.262	-2.025	-1.979	-2.299							
15.0	-1.602	-1.942	-1.602	-2.374	-2.328	-2.649							
20.0	-1.942	-2.282	-1.942	-2.723	-2.677	-2.998							
25.0	-2.282	-2.622	-2.282	-3.072	-3.026	-3.347							
30.0	-2.622	-2.962	-2.622	-3.421	-3.375	-3.696							
35.0	-2.962	-3.302	-2.962	-3.770	-3.724	-4.045							
40.0	-3.302	-3.642	-3.302	-4.119	-4.073	-4.394							
45.0	-3.642	-3.982	-3.642	-4.468	-4.422	-4.743							
50.0	-3.982	-4.322	-3.982	-4.817	-4.771	-5.094							
55.0	-4.322	-4.662	-4.322	-5.166	-5.120	-5.441							
60.0	-4.662	-5.002	-4.662	-5.515	-5.469	-5.790							
65.0	-5.002	-5.342	-5.002	-5.864	-5.818	-6.139							
70.0	-5.342	-5.682	-5.342	-6.213	-6.167	-6.488							
75.0	-5.682	-6.022	-5.682	-6.562	-6.516	-6.837							
80.0	-6.022	-6.362	-6.022	-6.911	-6.865	-7.186							
85.0	-6.362	-6.702	-6.362	-7.260	-7.214	-7.535							
90.0	-6.702	-7.042	-6.702	-7.609	-7.563	-7.884							
95.0	-7.042	-7.382	-7.042	-7.958	-7.912	-8.235							
100.0 (LOWER)	-7.382	-7.722	-7.382	-8.307	-8.261	-8.588							

WING PRESSURE COEFFICIENTS

RUN 363 POINT 2 ALPHA 4.05 PSI		6.00 HEIGHT 87.60		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %													
0.0 (UPPER)	-0.838	-0.908	-2.050	-2.760	-4.387	-2.382							
2.5	-0.908	-1.428	-2.050	-2.760	-4.387	-2.382							
5.0	-1.428	-1.948	-2.050	-2.760	-4.387	-2.382							
10.0	-1.948	-2.468	-2.050	-2.760	-4.387	-2.382							
15.0	-2.468	-2.988	-2.050	-2.760	-4.387	-2.382							
20.0	-2.988	-3.508	-2.050	-2.760	-4.387	-2.382							
25.0	-3.508	-4.028	-2.050	-2.760	-4.387	-2.382							
30.0	-4.028	-4.548	-2.050	-2.760	-4.387	-2.382							
35.0	-4.548	-5.068	-2.050	-2.760	-4.387	-2.382							
40.0	-5.068	-5.588	-2.050	-2.760	-4.387	-2.382							
45.0	-5.588	-6.108	-2.050	-2.760	-4.387	-2.382							
50.0	-6.108	-6.628	-2.050	-2.760	-4.387	-2.382							
55.0	-6.628	-7.148	-2.050	-2.760	-4.387	-2.382							
60.0	-7.148	-7.668	-2.050	-2.760	-4.387	-2.382							
65.0	-7.668	-8.188	-2.050	-2.760	-4.387	-2.382							
70.0	-8.188	-8.708	-2.050	-2.760	-4.387	-2.382							
75.0	-8.708	-9.228	-2.050	-2.760	-4.387	-2.382							
80.0	-9.228	-9.748	-2.050	-2.760	-4.387	-2.382							
85.0	-9.748	-10.268	-2.050	-2.760	-4.387	-2.382							
90.0	-10.268	-10.788	-2.050	-2.760	-4.387	-2.382							
95.0	-10.788	-11.308	-2.050	-2.760	-4.387	-2.382							
100.0 (LOWER)	-11.308	-11.828	-2.050	-2.760	-4.387	-2.382							

WING PRESSURE COEFFICIENTS

RUN 363 POINT 3 ALPHA 8.06 PSI		6.00 HEIGHT 87.35		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C, %													
0.0 (UPPER)	-2.086	-2.111	-5.046	-4.858	-4.458	-2.800							
2.5	-2.111	-2.352	-5.046	-4.858	-4.458	-2.800							
5.0	-2.352	-2.593	-5.046	-4.858	-4.458	-2.800							
10.0	-2.593	-2.834	-5.046	-4.858	-4.458	-2.800							
15.0	-2.834	-3.075	-5.046	-4.858	-4.458	-2.800							
20.0	-3.075	-3.316	-5.046	-4.858	-4.458	-2.800							
25.0	-3.316	-3.557	-5.046	-4.858	-4.458	-2.800							
30.0	-3.557	-3.798	-5.046	-4.858	-4.458	-2.800							
35.0	-3.798	-4.039	-5.046	-4.858	-4.458	-2.800							
40.0	-4.039	-4.280	-5.046	-4.858	-4.458	-2.800							
45.0	-4.280	-4.521	-5.046	-4.858	-4.458	-2.800							
50.0	-4.521	-4.762	-5.046	-4.858	-4.458	-2.800							
55.0	-4.762	-5.003	-5.046	-4.858	-4.458	-2.800							
60.0	-5.003	-5.244	-5.046	-4.858	-4.458	-2.800							
65.0	-5.244	-5.485	-5.046	-4.858	-4.458	-2.800							
70.0	-5.485	-5.726	-5.046	-4.858	-4.458	-2.800							
75.0	-5.726	-5.967	-5.046	-4.858	-4.458	-2.800							
80.0	-5.967	-6.208	-5.046	-4.858	-4.458	-2.800							
85.0	-6.208	-6.449	-5.046	-4.858	-4.458	-2.800							
90.0	-6.449	-6.690	-5.046	-4.858	-4.458	-2.800							
95.0	-6.690	-6.931	-5.046	-4.858	-4.458	-2.800							
100.0 (LOWER)	-6.931	-7.172	-5.046	-4.858	-4.458	-2.800							

WING PRESSURE COEFFICIENTS

RUN 363 POINT 4 ALPHA 12.06 PSI- 0.00 HEIGHT 87.00		BP 2		BP 6		BP 12		BP 16		BP 22	
I/C, X		BP 2		BP 6		BP 12		BP 16		BP 22	
0.0 (UPPER)		-5.320	-5.544	-4.002	-3.122	-2.823	-2.600	-2.400	-2.217	-2.047	-1.891
2.5		-2.505	-2.583	-4.232	-3.119	-2.600	-2.400	-2.217	-2.047	-1.891	-1.735
5.0		-1.880	-1.914	-4.135	-3.226	-2.583	-2.400	-2.217	-2.047	-1.891	-1.735
10.0		-1.493	-1.593	-4.174	-3.443	-2.688	-2.583	-2.400	-2.217	-2.047	-1.891
15.0		-1.308	-1.408	-4.118	-3.607	-2.768	-2.688	-2.583	-2.400	-2.217	-2.047
20.0		-1.111	-1.211	-4.028	-3.785	-2.823	-2.768	-2.688	-2.583	-2.400	-2.217
25.0		-0.958	-1.058	-3.829	-3.931	-2.889	-2.823	-2.688	-2.583	-2.400	-2.217
30.0		-0.844	-0.944	-3.643	-4.033	-2.955	-2.889	-2.688	-2.583	-2.400	-2.217
35.0		-0.772	-0.872	-3.473	-4.142	-3.021	-2.955	-2.688	-2.583	-2.400	-2.217
40.0		-0.687	-0.787	-3.311	-4.258	-3.087	-3.021	-2.688	-2.583	-2.400	-2.217
45.0		-0.607	-0.707	-3.155	-4.375	-3.151	-3.087	-2.688	-2.583	-2.400	-2.217
50.0		-0.550	-0.650	-3.000	-4.493	-3.217	-3.151	-2.688	-2.583	-2.400	-2.217
55.0		-0.500	-0.600	-2.850	-4.611	-3.283	-3.217	-2.688	-2.583	-2.400	-2.217
60.0		-0.450	-0.550	-2.700	-4.729	-3.350	-3.283	-2.688	-2.583	-2.400	-2.217
65.0		-0.400	-0.500	-2.550	-4.847	-3.417	-3.350	-2.688	-2.583	-2.400	-2.217
70.0		-0.350	-0.450	-2.400	-4.965	-3.483	-3.417	-2.688	-2.583	-2.400	-2.217
75.0		-0.300	-0.400	-2.250	-5.083	-3.550	-3.483	-2.688	-2.583	-2.400	-2.217
80.0		-0.250	-0.350	-2.100	-5.200	-3.617	-3.550	-2.688	-2.583	-2.400	-2.217
85.0		-0.200	-0.300	-1.950	-5.317	-3.683	-3.617	-2.688	-2.583	-2.400	-2.217
90.0		-0.150	-0.250	-1.800	-5.435	-3.750	-3.683	-2.688	-2.583	-2.400	-2.217
95.0		-0.100	-0.200	-1.650	-5.553	-3.817	-3.750	-2.688	-2.583	-2.400	-2.217
100.0		-0.050	-0.150	-1.500	-5.671	-3.883	-3.817	-2.688	-2.583	-2.400	-2.217
105.0		0.000	0.000	-1.350	-5.789	-3.950	-3.883	-2.688	-2.583	-2.400	-2.217
110.0		0.050	0.050	-1.200	-5.907	-4.017	-3.950	-2.688	-2.583	-2.400	-2.217
115.0		0.100	0.100	-1.050	-6.025	-4.083	-4.017	-2.688	-2.583	-2.400	-2.217
120.0		0.150	0.150	-0.900	-6.143	-4.150	-4.083	-2.688	-2.583	-2.400	-2.217
125.0		0.200	0.200	-0.750	-6.261	-4.217	-4.150	-2.688	-2.583	-2.400	-2.217
130.0		0.250	0.250	-0.600	-6.379	-4.283	-4.217	-2.688	-2.583	-2.400	-2.217
135.0		0.300	0.300	-0.450	-6.497	-4.350	-4.283	-2.688	-2.583	-2.400	-2.217
140.0		0.350	0.350	-0.300	-6.615	-4.417	-4.350	-2.688	-2.583	-2.400	-2.217
145.0		0.400	0.400	-0.150	-6.733	-4.483	-4.417	-2.688	-2.583	-2.400	-2.217
150.0		0.450	0.450	0.000	-6.851	-4.550	-4.483	-2.688	-2.583	-2.400	-2.217
155.0		0.500	0.500	0.150	-6.969	-4.617	-4.550	-2.688	-2.583	-2.400	-2.217
160.0		0.550	0.550	0.300	-7.087	-4.683	-4.617	-2.688	-2.583	-2.400	-2.217
165.0		0.600	0.600	0.450	-7.205	-4.750	-4.683	-2.688	-2.583	-2.400	-2.217
170.0		0.650	0.650	0.600	-7.323	-4.817	-4.750	-2.688	-2.583	-2.400	-2.217
175.0		0.700	0.700	0.750	-7.441	-4.883	-4.817	-2.688	-2.583	-2.400	-2.217
180.0		0.750	0.750	0.900	-7.559	-4.950	-4.883	-2.688	-2.583	-2.400	-2.217
185.0		0.800	0.800	1.050	-7.677	-5.017	-4.950	-2.688	-2.583	-2.400	-2.217
190.0		0.850	0.850	1.200	-7.795	-5.083	-5.017	-2.688	-2.583	-2.400	-2.217
195.0		0.900	0.900	1.350	-7.913	-5.150	-5.083	-2.688	-2.583	-2.400	-2.217
200.0		0.950	0.950	1.500	-8.031	-5.217	-5.150	-2.688	-2.583	-2.400	-2.217
205.0		1.000	1.000	1.650	-8.149	-5.283	-5.217	-2.688	-2.583	-2.400	-2.217
210.0		1.050	1.050	1.800	-8.267	-5.350	-5.283	-2.688	-2.583	-2.400	-2.217
215.0		1.100	1.100	1.950	-8.385	-5.417	-5.350	-2.688	-2.583	-2.400	-2.217
220.0		1.150	1.150	2.100	-8.503	-5.483	-5.417	-2.688	-2.583	-2.400	-2.217
225.0		1.200	1.200	2.250	-8.621	-5.550	-5.483	-2.688	-2.583	-2.400	-2.217
230.0		1.250	1.250	2.400	-8.739	-5.617	-5.550	-2.688	-2.583	-2.400	-2.217
235.0		1.300	1.300	2.550	-8.857	-5.683	-5.617	-2.688	-2.583	-2.400	-2.217
240.0		1.350	1.350	2.700	-8.975	-5.750	-5.683	-2.688	-2.583	-2.400	-2.217
245.0		1.400	1.400	2.850	-9.093	-5.817	-5.750	-2.688	-2.583	-2.400	-2.217
250.0		1.450	1.450	3.000	-9.211	-5.883	-5.817	-2.688	-2.583	-2.400	-2.217
255.0		1.500	1.500	3.150	-9.329	-5.950	-5.883	-2.688	-2.583	-2.400	-2.217
260.0		1.550	1.550	3.300	-9.447	-6.017	-5.950	-2.688	-2.583	-2.400	-2.217
265.0		1.600	1.600	3.450	-9.565	-6.083	-6.017	-2.688	-2.583	-2.400	-2.217
270.0		1.650	1.650	3.600	-9.683	-6.150	-6.083	-2.688	-2.583	-2.400	-2.217
275.0		1.700	1.700	3.750	-9.801	-6.217	-6.150	-2.688	-2.583	-2.400	-2.217
280.0		1.750	1.750	3.900	-9.919	-6.283	-6.217	-2.688	-2.583	-2.400	-2.217
285.0		1.800	1.800	4.050	-10.037	-6.350	-6.283	-2.688	-2.583	-2.400	-2.217
290.0		1.850	1.850	4.200	-10.155	-6.417	-6.350	-2.688	-2.583	-2.400	-2.217
295.0		1.900	1.900	4.350	-10.273	-6.483	-6.417	-2.688	-2.583	-2.400	-2.217
300.0		1.950	1.950	4.500	-10.391	-6.550	-6.483	-2.688	-2.583	-2.400	-2.217
305.0		2.000	2.000	4.650	-10.509	-6.617	-6.550	-2.688	-2.583	-2.400	-2.217
310.0		2.050	2.050	4.800	-10.627	-6.683	-6.617	-2.688	-2.583	-2.400	-2.217
315.0		2.100	2.100	4.950	-10.745	-6.750	-6.683	-2.688	-2.583	-2.400	-2.217
320.0		2.150	2.150	5.100	-10.863	-6.817	-6.750	-2.688	-2.583	-2.400	-2.217
325.0		2.200	2.200	5.250	-10.981	-6.883	-6.817	-2.688	-2.583	-2.400	-2.217
330.0		2.250	2.250	5.400	-11.099	-6.950	-6.883	-2.688	-2.583	-2.400	-2.217
335.0		2.300	2.300	5.550	-11.217	-7.017	-6.950	-2.688	-2.583	-2.400	-2.217
340.0		2.350	2.350	5.700	-11.335	-7.083	-7.017	-2.688	-2.583	-2.400	-2.217
345.0		2.400	2.400	5.850	-11.453	-7.150	-7.083	-2.688	-2.583	-2.400	-2.217
350.0		2.450	2.450	6.000	-11.571	-7.217	-7.150	-2.688	-2.583	-2.400	-2.217
355.0		2.500	2.500	6.150	-11.689	-7.283	-7.217	-2.688	-2.583	-2.400	-2.217
360.0		2.550	2.550	6.300	-11.807	-7.350	-7.283	-2.688	-2.583	-2.400	-2.217
365.0		2.600	2.600	6.450	-11.925	-7.417	-7.350	-2.688	-2.583	-2.400	-2.217
370.0		2.650	2.650	6.600	-12.043	-7.483	-7.417	-2.688	-2.583	-2.400	-2.217
375.0		2.700	2.700	6.750	-12.161	-7.550	-7.483	-2.688	-2.583	-2.400	-2.217
380.0		2.750	2.750	6.900	-12.279	-7.617	-7.550	-2.688	-2.583	-2.400	-2.217
385.0		2.800	2.800	7.050	-12.397	-7.683	-7.617	-2.688	-2.583	-2.400	-2.217
390.0		2.850	2.850	7.200	-12.515	-7.750	-7.683	-2.688	-2.583	-2.400	-2.217
395.0		2.900	2.900	7.350	-12.633	-7.817	-7.750	-2.688	-2.583	-2.400	-2.217
400.0		2.950	2.950	7.500	-12.751	-7.883	-7.817	-2.688	-2.583	-2.400	-2.217
405.0		3.000	3.000	7.650	-12.869	-7.950	-7.883	-2.688	-2.583	-2.400	-2.217
410.0		3.050	3.050	7.800	-12.987	-8.017	-7.950	-2.688	-2.583	-2.400	-2.217
415.0		3.100	3.100	7.950	-13.105	-8.083	-8.017	-2.688	-2.583	-2.400	-2.217
420.0		3.150	3.150	8.100	-13.223	-8.150	-8.083	-2.688	-2.583	-2.400	-2.217
425.0		3.200	3.200	8.250	-13.341	-8.217	-8.150	-2.688	-2.583	-2.400	-2.217
430.0		3.250	3.250	8.400	-13.459	-8.283	-8.217	-2.688	-2.583	-2.400	-2.217
435.0		3.300	3.300	8.550	-13.577	-8.350	-8.283	-2.688	-2.583	-2.400	-2.217
440.0		3.350	3.350	8.700	-13.695	-8.417	-8.350	-2.688	-2.583	-2.400	-2.217
445.0		3.400	3.400	8.850	-13.813	-8.483	-8.417	-2.688	-2.583	-2.400	-2.217
450.0		3.450	3.450	9.000	-13.931	-8.550	-8.483	-2.688	-2.583	-2.400	-2.217
455.0		3.500	3.500	9.150	-14.049	-8.617	-8.550	-2.688	-2.583	-2.400	-2.217
460.0		3.550	3.550	9.300	-14.167	-8.683	-8.617	-2.688	-2.583	-2.400	-2.217
465.0		3.600	3.600	9.450	-14.285	-8.750	-8.683	-2.688	-2.583	-2.400	-2.217
470.0		3.650	3.650	9.600	-14.403	-8.817	-8.750	-2.688	-2.583	-2.400	-2.217
475.0		3.700	3.700	9.750	-14.521	-8.883	-8.817	-2.688	-2.583	-2.400	-2.217
480.0		3.750	3.750	9.900	-14.639	-8.950	-8.883	-2.688	-2.583	-2.400	-2.217
485.0		3.800	3.800	10.050	-14.757	-9.017	-8.950	-2.688	-2.583	-2.400	-2.217
490.0		3.850	3.850	10.200							

WING PRESSURE COEFFICIENTS

RUN 364 POINT 2 ALPHA	4.00 PSI	0.00 HEIGHT	87.00
X/C, X	BP 2	BP 6	BP 12
0.0 (UPPER)	-1.003	-2.400	-4.339
2.5	-1.071	-1.546	-2.205
5.0	-1.000	-1.268	-1.758
10.0	-0.884	-1.060	-1.378
15.0	-0.852	-1.058	-1.178
20.0	-0.875	-0.902	-1.054
33.0	-0.788	-0.887	-1.072
54.0	-0.261	-1.115	-1.370
65.0	-0.223	-1.739	-2.093
78.5	-50.868	-48.811	-52.588
80.5	-7.762	-8.772	-8.822
82.0	-4.337	-3.122	-5.937
84.0	-5.508	-4.882	-4.141
87.0	-0.587	-4.230	-3.692
89.0	-1.487	-2.437	-4.012
93.0	-1.388	-1.972	-1.238
96.0	-1.760	-1.330	-0.359
100.0 (LOWER)	-0.980	-1.045	-0.723
2.5	0.468	0.387	0.493
5.0	0.361	0.488	0.481
10.0	0.205	0.273	0.310
33.0	0.242	0.248	0.282
54.0	0.379	0.356	0.406
73.5	0.546	0.595	0.552
84.0	0.212	-0.550	-5.111
96.0	0.535	0.192	0.154

WING PRESSURE COEFFICIENTS

RUN 364 POINT 4 ALPHA	12.03 PSI	0.00 HEIGHT	87.38
X/C, X	BP 2	BP 6	BP 12
0.0 (UPPER)	-5.837	-5.484	-4.124
2.5	-2.835	-5.777	-4.386
5.0	-1.958	-6.231	-4.328
10.0	-1.590	-1.642	-4.548
15.0	-1.401	-1.283	-4.828
24.0	-1.264	-1.195	-2.673
33.0	-1.043	-1.074	-0.858
54.0	-0.287	-1.201	-1.443
65.0	-0.187	-1.812	-2.042
78.5	-58.595	-58.045	-53.489
80.5	-7.551	-8.835	-8.782
82.0	-4.582	-3.104	-5.252
84.0	-5.392	-5.083	-4.857
87.0	-0.605	-4.384	-3.844
89.0	-1.503	-2.521	-4.205
93.0	-1.523	-1.584	-1.412
96.0	-1.888	-1.435	-0.548
100.0 (LOWER)	-1.028	-1.088	-0.784
2.5	0.825	0.500	0.382
5.0	0.617	0.821	0.560
10.0	0.647	0.670	0.556
24.0	0.408	0.478	0.495
33.0	0.430	0.415	0.432
54.0	0.480	0.484	0.484
73.5	0.824	0.707	0.858
84.0	0.134	-0.620	-5.352
96.0	0.457	0.113	0.077

RUN 364 POINT 3 ALPHA	8.07 PSI	0.00 HEIGHT	87.03
X/C, X	BP 2	BP 6	BP 12
0.0 (UPPER)	-3.030	-5.084	-4.151
2.5	-1.853	-4.127	-3.587
5.0	-1.512	-1.623	-3.489
10.0	-1.278	-1.395	-2.698
15.0	-1.188	-1.354	-3.787
24.0	-1.100	-1.128	-2.057
33.0	-0.980	-1.054	-1.401
54.0	-1.302	-1.241	-1.245
65.0	-0.200	-1.849	-1.458
78.5	-50.310	-50.088	-50.531
80.5	-7.690	-8.952	-8.790
82.0	-4.678	-3.090	-6.030
84.0	-5.508	-4.068	-6.408
87.0	-0.873	-4.593	-5.288
89.0	-1.547	-4.382	-3.826
93.0	-1.485	-2.570	-4.084
96.0	-1.854	-1.573	-1.355
100.0 (LOWER)	-1.009	-1.448	-0.537
2.5	0.597	0.749	-1.242
5.0	0.563	0.456	0.287
10.0	0.607	0.553	0.483
24.0	0.299	0.370	0.501
33.0	0.338	0.357	0.250
54.0	0.424	0.329	0.356
73.5	0.591	0.661	0.265
84.0	0.161	-0.580	-0.089
96.0	0.490	-5.713	-1.738

RUN 364 POINT 5 ALPHA	16.07 PSI	0.00 HEIGHT	87.11
X/C, X	BP 2	BP 6	BP 12
0.0 (UPPER)	-8.128	-6.702	-4.539
2.5	-3.670	-7.868	-4.821
5.0	-2.553	-8.641	-5.041
10.0	-2.009	-1.717	-6.225
15.0	-1.715	-1.381	-6.499
24.0	-1.482	-1.287	-2.942
33.0	-1.210	-1.185	-1.057
54.0	-1.331	-1.260	-1.481
65.0	-0.187	-1.878	-1.888
78.5	-58.348	-58.213	-53.537
80.5	-7.560	-8.901	-8.562
82.0	-4.650	-3.113	-6.651
84.0	-5.268	-4.238	-6.174
87.0	-0.558	-5.280	-4.953
89.0	-1.573	-4.524	-4.204
93.0	-1.884	-2.684	-4.456
96.0	-1.884	-1.597	-1.597
100.0 (LOWER)	-2.034	-1.584	-0.848
2.5	0.587	0.327	0.172
5.0	0.708	0.685	0.525
10.0	0.744	0.853	0.580
24.0	0.488	0.542	0.538
33.0	0.470	0.470	0.482
54.0	0.511	0.483	0.480
73.5	0.610	0.710	0.655
84.0	0.075	-0.873	-5.431
96.0	0.406	0.078	0.028

WING PRESSURE COEFFICIENTS

RUN 364 POINT 6 ALPHA 22.02 PSI		0.00 HEIGHT 98.22		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C	X	BP 2		BP 6		BP 12		BP 16		BP 22		BP 22	
0.0	(UPPER)	-14.881	-8.882	-3.887	-2.970	-4.740	-3.887	-2.970	-4.740	-3.887	-2.970	-4.740	-3.887
2.5		-5.512	-8.886	-4.085	-2.882	-5.131	-4.085	-2.882	-5.131	-4.085	-2.882	-5.131	-4.085
5.0		-3.886	-10.285	-4.214	-3.023	-3.384	-4.214	-3.023	-3.384	-4.214	-3.023	-3.384	-4.214
10.0		-2.888	-4.555	-4.405	-3.280	-8.024	-4.405	-3.280	-8.024	-4.405	-3.280	-8.024	-4.405
15.0		-2.188	-2.083	-4.712	-3.158	-6.521	-4.712	-3.158	-6.521	-4.712	-3.158	-6.521	-4.712
20.0		-1.321	-1.330	-5.580	-3.288	-5.158	-5.580	-3.288	-5.158	-5.580	-3.288	-5.158	-5.580
25.0		-1.797	-1.324	-2.835	-3.248	-2.835	-2.835	-3.248	-2.835	-2.835	-3.248	-2.835	-3.248
30.0		-1.380	-1.224	0.111	-4.045	-1.442	0.111	-4.045	-1.442	0.111	-4.045	-1.442	0.111
35.0		-0.186	-1.832	-2.028	-4.045	-1.812	-2.028	-4.045	-1.812	-2.028	-4.045	-1.812	-2.028
40.0		-0.217	-3.125	-4.872	-4.045	-3.424	-4.872	-4.045	-3.424	-4.872	-4.045	-3.424	-4.872
45.0		-56.517	-47.318	-49.377	-34.480	-15.888	-49.377	-34.480	-15.888	-49.377	-34.480	-15.888	-49.377
50.0		-4.580	-3.034	-6.710	-5.618	-6.710	-6.710	-5.618	-6.710	-6.710	-5.618	-6.710	-5.618
55.0		-1.271	-4.304	-0.225	-8.181	-4.304	-0.225	-8.181	-4.304	-0.225	-8.181	-4.304	-0.225
60.0		-5.387	-5.300	-5.085	-5.085	-5.085	-5.085	-5.085	-5.085	-5.085	-5.085	-5.085	-5.085
65.0		-0.812	-4.587	-4.384	-4.500	-3.811	-4.587	-4.384	-4.500	-3.811	-4.587	-4.384	-4.500
70.0		-1.868	-2.784	-4.585	-3.088	-4.585	-4.585	-3.088	-4.585	-4.585	-3.088	-4.585	-4.585
75.0		-1.682	-1.884	-1.753	-3.833	-1.753	-1.753	-3.833	-1.753	-1.753	-3.833	-1.753	-3.833
80.0		-2.071	-1.752	-0.828	-2.221	-0.828	-2.221	-0.828	-2.221	-0.828	-2.221	-0.828	-2.221
85.0		-1.040	-1.100	-0.789	-1.158	-0.789	-1.158	-0.789	-1.158	-0.789	-1.158	-0.789	-1.158
90.0		0.438	-0.031	0.133	-0.277	0.133	-0.277	0.133	-0.277	0.133	-0.277	0.133	-0.277
95.0	(LOWER)	0.738	0.734	0.428	0.284	0.428	0.284	0.428	0.284	0.428	0.284	0.428	0.284
100.0		0.835	0.577	0.587	0.570	0.587	0.570	0.587	0.570	0.587	0.570	0.587	0.570
105.0		0.555	0.853	0.614	0.428	0.614	0.428	0.614	0.428	0.614	0.428	0.614	0.428
110.0		0.588	0.583	0.544	0.528	0.544	0.528	0.544	0.528	0.544	0.528	0.544	0.528
115.0		0.813	0.718	0.844	-0.148	0.844	-0.148	0.844	-0.148	0.844	-0.148	0.844	-0.148
120.0		0.085	-0.858	-1.268	-0.377	-1.268	-0.377	-1.268	-0.377	-1.268	-0.377	-1.268	-0.377
125.0		0.388	0.073	-0.137	-0.892	0.028	-0.137	-0.892	0.028	-0.137	-0.892	0.028	-0.137

WING PRESSURE COEFFICIENTS

RUN 365 POINT 2 ALPHA 4.03 PSI		0.00 HEIGHT 87.23		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C	X	BP 2		BP 6		BP 12		BP 16		BP 22		BP 22	
0.0	(UPPER)	-1.181	-2.812	-4.913	-4.767	-2.812	-4.913	-4.767	-2.812	-4.913	-4.767	-2.812	-4.913
2.5		-1.213	-1.677	-2.464	-3.866	-1.677	-2.464	-3.866	-1.677	-2.464	-3.866	-1.677	-2.464
5.0		-1.204	-1.471	-2.070	-3.850	-1.471	-2.070	-3.850	-1.471	-2.070	-3.850	-1.471	-2.070
10.0		-1.057	-1.171	-1.513	-2.663	-1.171	-1.513	-2.663	-1.171	-1.513	-2.663	-1.171	-1.513
15.0		-1.001	-1.308	-1.281	-2.118	-1.308	-1.281	-2.118	-1.308	-1.281	-2.118	-1.308	-1.281
20.0		-1.144	-1.109	-1.184	-1.532	-1.109	-1.184	-1.532	-1.109	-1.184	-1.532	-1.109	-1.184
25.0		-0.970	-1.074	-1.275	-1.353	-1.074	-1.275	-1.353	-1.074	-1.275	-1.353	-1.074	-1.275
30.0		-1.380	-1.351	-2.857	-1.157	-1.351	-2.857	-1.157	-1.351	-2.857	-1.157	-1.351	-2.857
35.0		-0.285	-2.139	-2.410	-4.045	-2.139	-2.410	-4.045	-2.139	-2.410	-4.045	-2.139	-2.410
40.0		-0.440	-8.088	-8.088	-7.387	-8.088	-8.088	-7.387	-8.088	-8.088	-7.387	-8.088	-8.088
45.0		-12.822	-8.428	-8.518	-74.824	-8.428	-8.518	-74.824	-8.428	-8.518	-74.824	-8.428	-8.518
50.0		-12.874	-11.588	-14.014	-28.780	-11.588	-14.014	-28.780	-11.588	-14.014	-28.780	-11.588	-14.014
55.0		-8.211	-7.210	-7.521	-11.324	-7.210	-7.521	-11.324	-7.210	-7.521	-11.324	-7.210	-7.521
60.0		-0.209	-4.475	-2.605	-7.891	-4.475	-2.605	-7.891	-4.475	-2.605	-7.891	-4.475	-2.605
65.0		-8.658	-7.186	-5.774	-8.828	-7.186	-5.774	-8.828	-7.186	-5.774	-8.828	-7.186	-5.774
70.0		-8.533	-5.181	-3.138	-6.895	-5.181	-3.138	-6.895	-5.181	-3.138	-6.895	-5.181	-3.138
75.0		-3.350	-3.848	-3.848	-0.174	-3.848	-3.848	-0.174	-3.848	-3.848	-0.174	-3.848	-3.848
80.0		-1.842	-1.842	-1.842	-4.339	-1.842	-1.842	-4.339	-1.842	-1.842	-4.339	-1.842	-1.842
85.0		-1.885	-1.885	-1.885	-4.339	-1.885	-1.885	-4.339	-1.885	-1.885	-4.339	-1.885	-1.885
90.0		-2.528	-1.878	-0.122	-1.958	-1.878	-0.122	-1.958	-1.878	-0.122	-1.958	-1.878	-0.122
95.0		-2.828	-3.148	-0.617	-2.411	-3.148	-0.617	-2.411	-3.148	-0.617	-2.411	-3.148	-0.617
100.0	(LOWER)	0.422	0.509	0.402	0.188	0.509	0.402	0.188	0.509	0.402	0.188	0.509	0.402
105.0		0.248	0.398	0.438	0.314	0.398	0.438	0.314	0.398	0.438	0.314	0.398	0.438
110.0		0.382	0.515	0.318	0.384	0.515	0.318	0.384	0.515	0.318	0.384	0.515	0.318
115.0		0.131	0.232	0.247	-0.627	0.232	0.247	-0.627	0.232	0.247	-0.627	0.232	0.247
120.0		0.193	0.151	0.190	0.223	0.151	0.190	0.223	0.151	0.190	0.223	0.151	0.190
125.0		0.350	0.233	0.268	0.092	0.233	0.268	0.092	0.233	0.268	0.092	0.233	0.268
130.0		0.443	0.518	0.467	-1.428	0.518	0.467	-1.428	0.518	0.467	-1.428	0.518	0.467
135.0		0.771	-2.282	-8.444	-3.270	-2.282	-8.444	-3.270	-2.282	-8.444	-3.270	-2.282	-8.444
140.0		-0.218	-0.853	-0.862	-0.852	-0.853	-0.862	-0.852	-0.853	-0.862	-0.852	-0.853	-0.862

RUN 365 POINT 1 ALPHA 86.82 PSI		0.00 HEIGHT 87.74		BP 2		BP 6		BP 12		BP 16		BP 22	
X/C	X	BP 2		BP 6		BP 12		BP 16		BP 22		BP 22	
0.0	(UPPER)	-0.070	-0.873	-0.873	-1.724	-1.724	-2.758	-2.758	-3.819	-3.819	-4.922	-4.922	-5.236
2.5		-0.782	-1.017	-1.017	-1.602	-1.602	-2.187	-2.187	-2.772	-2.772	-3.357	-3.357	-3.767
5.0		-0.787	-1.284	-1.284	-1.336	-1.336	-1.891	-1.891	-2.476	-2.476	-3.061	-3.061	-3.471
10.0		-0.725	-0.783	-0.783	-1.021	-1.021	-1.345	-1.345	-1.654	-1.654	-1.963	-1.963	-2.272
15.0		-0.748	-0.873	-0.873	-0.880	-0.880	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
20.0		-0.855	-0.794	-0.794	-0.884	-0.884	-1.352	-1.352	-1.352	-1.352	-1.352	-1.352	-1.352
25.0		-1.240	-0.848	-0.848	-1.016	-1.016	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160
30.0		-1.248	-1.248	-1.248	-2.278	-2.278	-3.034	-3.034	-3.034	-3.034	-3.034	-3.034	-3.034
35.0		-0.337	-1.821	-1.821	-2.170	-2.170	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760
40.0		-0.405	-5.702	-5.702	-7.777	-7.777	-9.852	-9.852	-9.852	-9.852	-9.852	-9.852	-9.852
45.0		-107.238	-84.653	-84.653	-13.327	-13.327	-23.282	-23.282	-23.282	-23.282	-23.282	-23.282	-23.282
50.0		-11.580	-6.788	-6.788	-6.922	-6.922	-10.557	-10.557	-10.557	-10.557	-10.557	-10.557	-10.557
55.0		5.983	-0.189	-0.189	-2.330	-2.330	-7.148	-7.148	-7.148	-7.148	-7.148	-7.148	-7.148
60.0		-8.310	-6.831	-6.831	-5.378	-5.378	-6.140	-6.140	-6.140	-6.140	-6.140	-6.140	-6.140
65.0		-0.137	-6.118	-6.118	-4.787	-4.787	-4.458	-4.458	-4.458	-4.458	-4.458	-4.458	-4.458
70.0		-1.885	-3.127	-3.127	-5.474	-5.474	-5.717	-5.717	-5.717	-5.717	-5.717	-5.717	-5.717
75.0		-1.872	-1.125	-1.125	-4.277	-4.277	-4.277	-4.277	-4.277	-4.277	-4.277	-4.277	-4.277
80.0		-2.333	-1.768	-1.768	-0.028	-0.028	-1.737	-1.737	-1.737	-1.737	-1.737	-1.737	-1.737
85.0		-2.785	-3.063	-3.063	-0.046	-0.046	-2.480	-2.480	-2.480	-2.480	-2.480	-2.480	-2.480
90.0		-0.220	-0.368	-0.368	-0.371	-0.371	-0.205	-0.205	-0.205	-0.205	-0.205	-0.205	-0.205
95.0		-0.693	-0.273	-0.273	-0.186	-0.186	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283	-0.283
100.0	(LOWER)	0.251	0.372	0.372	0.178	0.178	0.079	0.079	0.079	0.079	0.079	0.079	0.079
5.0		0.056	0.162	0.162	0.137	0.137	0.183	0.183	0.183	0.183	0.183	0.183	0.183
20.0		0.312	0.033	0.033	0.252	0.252	0.035	0.035	0.035	0.035	0.035	0.035	0.035
35.0		0.421	0.481	0.481	0.444	0.444	-1.308	-1.308	-1.308	-1.308	-1.308	-1.308	-1.308
50.0		-0.764	-2.158	-2.158	-5.524	-5.524	-3.116	-3.116	-3.116	-3.116	-3.116	-3.116	-3.116
65.0		-0.181	-0.812	-0.812	-0.812	-0.812	-0.812	-0.812	-0.812	-0.812	-0.812	-0.812	-0.812

WING PRESSURE COEFFICIENTS

RUN 365 POINT 4 ALPHA 12.00 PSI 0.00 HEIGHT 88.56		BP 2		BP 8		BP 12		BP 16		BP 22	
X/C, X											
0.0 (UPPER)	-5.175	-5.688	-3.817	-4.328	-4.554	-4.738	-4.934	-5.142	-5.360	-5.588	-5.826
2.5	-2.950	-3.253	-3.682	-4.137	-4.513	-4.808	-5.113	-5.428	-5.753	-6.088	-6.433
5.0	-2.207	-2.428	-2.672	-2.937	-3.213	-3.498	-3.793	-4.098	-4.413	-4.738	-5.073
10.0	-1.784	-1.908	-2.047	-2.192	-2.342	-2.497	-2.657	-2.822	-2.992	-3.167	-3.347
15.0	-1.506	-1.598	-1.702	-1.817	-1.942	-2.067	-2.192	-2.327	-2.462	-2.597	-2.732
20.0	-1.345	-1.398	-1.467	-1.542	-1.627	-1.712	-1.797	-1.882	-1.967	-2.052	-2.137
25.0	-1.254	-1.268	-1.283	-1.308	-1.333	-1.358	-1.383	-1.408	-1.433	-1.458	-1.483
30.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
35.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
40.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
45.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
50.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
55.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
60.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
65.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
70.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
75.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
80.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
85.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
90.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
95.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
100.0	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
2.5 (LOWER)	-2.752	-2.855	-2.972	-3.102	-3.247	-3.407	-3.572	-3.742	-3.917	-4.097	-4.282
5.0	-2.558	-2.642	-2.747	-2.862	-2.987	-3.122	-3.257	-3.392	-3.527	-3.662	-3.797
10.0	-2.322	-2.388	-2.467	-2.552	-2.642	-2.737	-2.832	-2.927	-3.022	-3.117	-3.212
15.0	-2.058	-2.102	-2.157	-2.212	-2.267	-2.322	-2.377	-2.432	-2.487	-2.542	-2.597
20.0	-1.772	-1.802	-1.837	-1.872	-1.907	-1.942	-1.977	-2.012	-2.047	-2.082	-2.117
25.0	-1.472	-1.492	-1.517	-1.542	-1.567	-1.592	-1.617	-1.642	-1.667	-1.692	-1.717
30.0	-1.162	-1.172	-1.187	-1.202	-1.217	-1.232	-1.247	-1.262	-1.277	-1.292	-1.307
35.0	-0.842	-0.847	-0.852	-0.857	-0.862	-0.867	-0.872	-0.877	-0.882	-0.887	-0.892
40.0	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522	-0.522
45.0	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202
50.0	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118	0.118
55.0	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438	0.438
60.0	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758
65.0	1.078	1.078	1.078	1.078	1.078	1.078	1.078	1.078	1.078	1.078	1.078
70.0	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398	1.398
75.0	1.718	1.718	1.718	1.718	1.718	1.718	1.718	1.718	1.718	1.718	1.718
80.0	2.038	2.038	2.038	2.038	2.038	2.038	2.038	2.038	2.038	2.038	2.038
85.0	2.358	2.358	2.358	2.358	2.358	2.358	2.358	2.358	2.358	2.358	2.358
90.0	2.678	2.678	2.678	2.678	2.678	2.678	2.678	2.678	2.678	2.678	2.678
95.0	2.998	2.998	2.998	2.998	2.998	2.998	2.998	2.998	2.998	2.998	2.998
100.0	3.318	3.318	3.318	3.318	3.318	3.318	3.318	3.318	3.318	3.318	3.318

WING PRESSURE COEFFICIENTS

RUN 365 POINT 5 ALPHA 16.12 PSI 0.00 HEIGHT 87.49		BP 2		BP 8		BP 12		BP 16		BP 22	
X/C, X											
0.0 (UPPER)	-8.911	-7.500	-4.400	-5.064	-5.347	-5.630	-5.913	-6.196	-6.479	-6.762	-7.045
2.5	-4.224	-4.804	-4.258	-4.758	-5.258	-5.758	-6.258	-6.758	-7.258	-7.758	-8.258
5.0	-2.926	-3.506	-4.458	-5.408	-6.358	-7.308	-8.258	-9.208	-10.158	-11.108	-12.058
10.0	-2.223	-2.803	-3.855	-4.805	-5.755	-6.705	-7.655	-8.605	-9.555	-10.505	-11.455
15.0	-1.987	-2.567	-3.619	-4.569	-5.519	-6.469	-7.419	-8.369	-9.319	-10.269	-11.219
20.0	-1.752	-2.332	-3.384	-4.334	-5.284	-6.234	-7.184	-8.134	-9.084	-10.034	-10.984
25.0	-1.517	-2.097	-3.149	-4.099	-5.049	-5.999	-6.949	-7.899	-8.849	-9.799	-10.749
30.0	-1.282	-1.862	-2.914	-3.864	-4.814	-5.764	-6.714	-7.664	-8.614	-9.564	-10.514
35.0	-1.047	-1.627	-2.679	-3.629	-4.579	-5.529	-6.479	-7.429	-8.379	-9.329	-10.279
40.0	-0.812	-1.392	-2.444	-3.394	-4.344	-5.294	-6.244	-7.194	-8.144	-9.094	-10.044
45.0	-0.577	-1.157	-2.209	-3.159	-4.109	-5.059	-6.009	-6.959	-7.909	-8.859	-9.809
50.0	-0.342	-0.922	-1.974	-2.924	-3.874	-4.824	-5.774	-6.724	-7.674	-8.624	-9.574
55.0	-0.107	-0.687	-1.739	-2.689	-3.639	-4.589	-5.539	-6.489	-7.439	-8.389	-9.339
60.0	0.128	-0.452	-1.504	-2.454	-3.404	-4.354	-5.304	-6.254	-7.204	-8.154	-9.104
65.0	0.393	-0.187	-1.239	-2.189	-3.139	-4.089	-5.039	-5.989	-6.939	-7.889	-8.839
70.0	0.658	0.072	-1.084	-2.034	-2.984	-3.934	-4.884	-5.834	-6.784	-7.734	-8.684
75.0	0.923	0.337	-0.819	-1.769	-2.719	-3.669	-4.619	-5.569	-6.519	-7.469	-8.419
80.0	1.188	0.602	-0.564	-1.514	-2.464	-3.414	-4.364	-5.314	-6.264	-7.214	-8.164
85.0	1.453	0.867	-0.302	-1.252	-2.202	-3.152	-4.102	-5.052	-6.002	-6.952	-7.902
90.0	1.718	1.132	0.072	-0.978	-1.928	-2.878	-3.828	-4.778	-5.728	-6.678	-7.628
95.0	1.983	1.397	0.337	-0.713	-1.663	-2.613	-3.563	-4.513	-5.463	-6.413	-7.363
100.0	2.248	1.662	0.602	-0.458	-1.408	-2.358	-3.308	-4.258	-5.208	-6.158	-7.108
2.5 (LOWER)	-0.462	-0.209	-0.011	-0.294	-0.422	-0.550	-0.678	-0.806	-0.934	-1.062	-1.190
5.0	-0.733	-0.541	0.042	-0.494	-0.711	-0.928	-1.145	-1.362	-1.579	-1.796	-2.013
10.0	-1.004	-0.773	0.147	-0.765	-1.036	-1.307	-1.578	-1.849	-2.120	-2.391	-2.662
15.0	-1.275	-0.996	0.360	-1.038	-1.309	-1.580	-1.851	-2.122	-2.393	-2.664	-2.935
20.0	-1.546	-1.227	0.573	-1.249	-1.520	-1.791	-2.062	-2.333	-2.604	-2.875	-3.146
25.0	-1.817	-1.458	0.786	-1.460	-1.731	-2.002	-2.273	-2.544	-2.815	-3.086	-3.357
30.0	-2.088	-1.689	0.999	-1.671	-1.942	-2.213	-2.484	-2.755	-3.026	-3.297	-3.568
35.0	-2.359	-1.920	1.212	-1.884	-2.155	-2.426	-2.697	-2.968	-3.239	-3.510	-3.781
40.0	-2.630	-2.151	1.425	-2.096	-2.367	-2.638	-2.909	-3.180	-3.451	-3.722	-3.993
45.0	-2.901	-2.382	1.638	-2.307	-2.578	-2.849	-3.120	-3.391	-3.662	-3.933	-4.204
50.0	-3.172	-2.613	1.851	-2.520	-2.791	-3.062	-3.333	-3.604	-3.875	-4.146	-4.417
55.0	-3.443	-2.844	2.064	-2.733	-3.004	-3.275	-3.546	-3.817	-4.088	-4.359	-4.630
60.0	-3.714	-3.075	2.277	-2.946	-3.217	-3.488	-3.759	-4.030	-4.301	-4.572	-4.843
65.0	-3.985	-3.306	2.490	-3.159	-3.430	-3.701	-3.972	-4.243	-4.514	-4.785	-5.056
70.0	-4.256	-3.537	2.703	-3.372	-3.643	-3.914	-4.185	-4.456	-4.727	-4.998	-5.269
75.0	-4.527	-3.768	2.916	-3.585	-3.856	-4.127	-4.398	-4.669	-4.940	-5.211	-5.482
80.0	-4.798	-3.999	3.129	-3.798	-4.069	-4.340	-4.611	-4.882	-5.153	-5.424	-5.695
85.0	-5.069	-4.230	3.342	-4.009	-4.280	-4.551	-4.822	-5.093	-5.364	-5.635	-5.906
90.0	-5.340	-4.461	3.555	-4.212	-4.483	-4.754	-5.025	-5.296	-5.567	-5.838	-6.109
95.0	-5.611	-4.682	3.768	-4.425	-4.696	-4.967	-5.238	-5.509	-5.780	-6.051	-6.322
100.0	-5.882	-4.913	3.981	-4.638	-4.909	-5.180	-5.451	-5.722	-5.993	-6.264	-6.535

WING PRESSURE COEFFICIENTS

RUN 366 POINT 2 ALPHA 4.02 PSI 0.00 HEIGHT 87.24									
1/C. X									
BP 2 BP 8 BP 12 BP 16 BP 22									
0.0 (UPPER)	-1.781	-4.168	-5.823	-8.244	-4.383	0.0 (UPPER)	-8.547	-8.017	-5.889
2.5	-2.345	-2.369	-4.577	-4.037	-3.767	2.5	-4.881	-8.321	-5.834
5.0	-2.328	-2.428	-5.031	-4.052	-2.888	5.0	-3.788	-10.271	-5.418
10.0	-1.987	-1.888	-5.008	-4.230	-2.888	10.0	-3.181	-10.271	-5.448
15.0	-1.991	-2.713	-4.472	-4.417	-2.944	15.0	-3.074	-10.271	-5.448
20.0	-1.884	-1.981	-4.472	-3.218	-3.704	20.0	-3.423	-10.271	-5.448
25.0	-1.884	-1.981	-4.472	-3.218	-3.704	25.0	-3.423	-10.271	-5.448
30.0	-1.884	-1.981	-4.472	-3.218	-3.704	30.0	-3.423	-10.271	-5.448
35.0	-1.884	-1.981	-4.472	-3.218	-3.704	35.0	-3.423	-10.271	-5.448
40.0	-1.884	-1.981	-4.472	-3.218	-3.704	40.0	-3.423	-10.271	-5.448
45.0	-1.884	-1.981	-4.472	-3.218	-3.704	45.0	-3.423	-10.271	-5.448
50.0	-1.884	-1.981	-4.472	-3.218	-3.704	50.0	-3.423	-10.271	-5.448
55.0	-1.884	-1.981	-4.472	-3.218	-3.704	55.0	-3.423	-10.271	-5.448
60.0	-1.884	-1.981	-4.472	-3.218	-3.704	60.0	-3.423	-10.271	-5.448
65.0	-1.884	-1.981	-4.472	-3.218	-3.704	65.0	-3.423	-10.271	-5.448
70.0	-1.884	-1.981	-4.472	-3.218	-3.704	70.0	-3.423	-10.271	-5.448
75.0	-1.884	-1.981	-4.472	-3.218	-3.704	75.0	-3.423	-10.271	-5.448
80.0	-1.884	-1.981	-4.472	-3.218	-3.704	80.0	-3.423	-10.271	-5.448
85.0	-1.884	-1.981	-4.472	-3.218	-3.704	85.0	-3.423	-10.271	-5.448
90.0	-1.884	-1.981	-4.472	-3.218	-3.704	90.0	-3.423	-10.271	-5.448
95.0	-1.884	-1.981	-4.472	-3.218	-3.704	95.0	-3.423	-10.271	-5.448
100.0	-1.884	-1.981	-4.472	-3.218	-3.704	100.0	-3.423	-10.271	-5.448
2.5 (LOWER)	-12.521	-13.474	-13.474	-13.474	-13.474	2.5 (LOWER)	-13.474	-13.474	-13.474
5.0	-0.270	-0.288	-0.288	-0.288	-0.288	5.0	-0.288	-0.288	-0.288
10.0	-0.358	-0.358	-0.358	-0.358	-0.358	10.0	-0.358	-0.358	-0.358
15.0	-0.486	-0.486	-0.486	-0.486	-0.486	15.0	-0.486	-0.486	-0.486
20.0	-0.681	-0.681	-0.681	-0.681	-0.681	20.0	-0.681	-0.681	-0.681
25.0	-0.802	-0.802	-0.802	-0.802	-0.802	25.0	-0.802	-0.802	-0.802
30.0	-0.902	-0.902	-0.902	-0.902	-0.902	30.0	-0.902	-0.902	-0.902
35.0	-1.002	-1.002	-1.002	-1.002	-1.002	35.0	-1.002	-1.002	-1.002
40.0	-1.102	-1.102	-1.102	-1.102	-1.102	40.0	-1.102	-1.102	-1.102
45.0	-1.202	-1.202	-1.202	-1.202	-1.202	45.0	-1.202	-1.202	-1.202
50.0	-1.302	-1.302	-1.302	-1.302	-1.302	50.0	-1.302	-1.302	-1.302
55.0	-1.402	-1.402	-1.402	-1.402	-1.402	55.0	-1.402	-1.402	-1.402
60.0	-1.502	-1.502	-1.502	-1.502	-1.502	60.0	-1.502	-1.502	-1.502
65.0	-1.602	-1.602	-1.602	-1.602	-1.602	65.0	-1.602	-1.602	-1.602
70.0	-1.702	-1.702	-1.702	-1.702	-1.702	70.0	-1.702	-1.702	-1.702
75.0	-1.802	-1.802	-1.802	-1.802	-1.802	75.0	-1.802	-1.802	-1.802
80.0	-1.902	-1.902	-1.902	-1.902	-1.902	80.0	-1.902	-1.902	-1.902
85.0	-2.002	-2.002	-2.002	-2.002	-2.002	85.0	-2.002	-2.002	-2.002
90.0	-2.102	-2.102	-2.102	-2.102	-2.102	90.0	-2.102	-2.102	-2.102
95.0	-2.202	-2.202	-2.202	-2.202	-2.202	95.0	-2.202	-2.202	-2.202
100.0	-2.302	-2.302	-2.302	-2.302	-2.302	100.0	-2.302	-2.302	-2.302

WING PRESSURE COEFFICIENTS

RUN 366 POINT 4 ALPHA 12.03 PSI 0.00 HEIGHT 87.05									
1/C. X									
BP 2 BP 8 BP 12 BP 16 BP 22									
0.0 (UPPER)	-8.547	-8.017	-5.889	-7.956	-5.527	0.0 (UPPER)	-8.547	-8.017	-5.889
2.5	-4.881	-8.321	-5.834	-5.418	-5.261	2.5	-4.881	-8.321	-5.834
5.0	-3.788	-10.271	-5.448	-5.448	-4.893	5.0	-3.788	-10.271	-5.448
10.0	-3.181	-10.271	-5.448	-5.448	-4.893	10.0	-3.181	-10.271	-5.448
15.0	-3.074	-10.271	-5.448	-5.448	-4.893	15.0	-3.074	-10.271	-5.448
20.0	-3.423	-10.271	-5.448	-5.448	-4.893	20.0	-3.423	-10.271	-5.448
25.0	-3.423	-10.271	-5.448	-5.448	-4.893	25.0	-3.423	-10.271	-5.448
30.0	-3.423	-10.271	-5.448	-5.448	-4.893	30.0	-3.423	-10.271	-5.448
35.0	-3.423	-10.271	-5.448	-5.448	-4.893	35.0	-3.423	-10.271	-5.448
40.0	-3.423	-10.271	-5.448	-5.448	-4.893	40.0	-3.423	-10.271	-5.448
45.0	-3.423	-10.271	-5.448	-5.448	-4.893	45.0	-3.423	-10.271	-5.448
50.0	-3.423	-10.271	-5.448	-5.448	-4.893	50.0	-3.423	-10.271	-5.448
55.0	-3.423	-10.271	-5.448	-5.448	-4.893	55.0	-3.423	-10.271	-5.448
60.0	-3.423	-10.271	-5.448	-5.448	-4.893	60.0	-3.423	-10.271	-5.448
65.0	-3.423	-10.271	-5.448	-5.448	-4.893	65.0	-3.423	-10.271	-5.448
70.0	-3.423	-10.271	-5.448	-5.448	-4.893	70.0	-3.423	-10.271	-5.448
75.0	-3.423	-10.271	-5.448	-5.448	-4.893	75.0	-3.423	-10.271	-5.448
80.0	-3.423	-10.271	-5.448	-5.448	-4.893	80.0	-3.423	-10.271	-5.448
85.0	-3.423	-10.271	-5.448	-5.448	-4.893	85.0	-3.423	-10.271	-5.448
90.0	-3.423	-10.271	-5.448	-5.448	-4.893	90.0	-3.423	-10.271	-5.448
95.0	-3.423	-10.271	-5.448	-5.448	-4.893	95.0	-3.423	-10.271	-5.448
100.0	-3.423	-10.271	-5.448	-5.448	-4.893	100.0	-3.423	-10.271	-5.448
2.5 (LOWER)	-13.474	-13.474	-13.474	-13.474	-13.474	2.5 (LOWER)	-13.474	-13.474	-13.474
5.0	-0.288	-0.288	-0.288	-0.288	-0.288	5.0	-0.288	-0.288	-0.288
10.0	-0.358	-0.358	-0.358	-0.358	-0.358	10.0	-0.358	-0.358	-0.358
15.0	-0.486	-0.486	-0.486	-0.486	-0.486	15.0	-0.486	-0.486	-0.486
20.0	-0.681	-0.681	-0.681	-0.681	-0.681	20.0	-0.681	-0.681	-0.681
25.0	-0.802	-0.802	-0.802	-0.802	-0.802	25.0	-0.802	-0.802	-0.802
30.0	-0.902	-0.902	-0.902	-0.902	-0.902	30.0	-0.902	-0.902	-0.902
35.0	-1.002	-1.002	-1.002	-1.002	-1.002	35.0	-1.002	-1.002	-1.002
40.0	-1.102	-1.102	-1.102	-1.102	-1.102	40.0	-1.102	-1.102	-1.102
45.0	-1.202	-1.202	-1.202	-1.202	-1.202	45.0	-1.202	-1.202	-1.202
50.0	-1.302	-1.302	-1.302	-1.302	-1.302	50.0	-1.302	-1.302	-1.302
55.0	-1.402	-1.402	-1.402	-1.402	-1.402	55.0	-1.402	-1.402	-1.402
60.0	-1.502	-1.502	-1.502	-1.502	-1.502	60.0	-1.502	-1.502	-1.502
65.0	-1.602	-1.602	-1.602	-1.602	-1.602	65.0	-1.602	-1.602	-1.602
70.0	-1.702	-1.702	-1.702	-1.702	-1.702	70.0	-1.702	-1.702	-1.702
75.0	-1.802	-1.802	-1.802	-1.802	-1.802	75.0	-1.802	-1.802	-1.802
80.0	-1.902	-1.902	-1.902	-1.902	-1.902	80.0	-1.902	-1.902	-1.902
85.0	-2.002	-2.002	-2.002	-2.002	-2.002	85.0	-2.002	-2.002	-2.002
90.0	-2.102	-2.102	-2.102	-2.102	-2.102	90.0	-2.102	-2.102	-2.102
95.0	-2.202	-2.202	-2.202	-2.202	-2.202	95.0	-2.202	-2.202	-2.202
100.0	-2.302	-2.302	-2.302	-2.302	-2.302	100.0	-2.302	-2.302	-2.302

WING PRESSURE COEFFICIENTS

RUN 366 POINT 3 ALPHA 8.08 PSI 0.00 HEIGHT 87.02									
1/C. X									
BP 2 BP 8 BP 12 BP 16 BP 22									
0.0 (UPPER)	-4.763	-8.802	-5.351	-6.281	-4.995	0.0 (UPPER)	-12.768	-8.801	-8.945
2.5	-3.654	-8.802	-5.351	-6.281	-4.995	2.5	-5.872	-11.142	-8.801
5.0	-3.185	-7.228	-6.142	-4.370	-3.889	5.0	-4.410	-13.696	-8.058
10.0	-2.607	-5.678	-5.171	-5.732	-5.352	10.0	-3.456	-2.733	-10.028
15.0	-2.650	-5.171	-5.171	-6.083	-4.021	15.0	-3.291	-3.180	-8.941
20.0	-3.057	-2.426	-2.010	-8.816	-5.067	20.0	-3.313	-2.388	-2.388
25.0	-2.328	-2.319	-2.038	-4.557	-5.302	25.0	-2.568	-2.389	-2.389
30.0	-4.191	-2.768	-3.328	-8.235	-11.385	30.0	-3.704	-2.704	-2.704
35.0	-1.670	-4.688	-4.791	-20.175	-5.128	35.0	-1.580	-4.581	-4.581
40.0	-1.902	-12.838	-14.718	-13.265	-13.613	40.0	-12.892	-12.892	-12.892
45.0	-442.690	-335.888	-281.854	-221.976	-280.712	45.0	-400.028	-307.854	-281.134
50.0	-38.373	-41.802	-41.750	-82.821	-3.344	50.0	-38.445	-38.445	-38.445
55.0	-13.482	-34.883	-15.005	-30.436	-3.352	55.0	-11.984	-31.775	-18.955
60.0	-14.116	-5.388	-15.710	-23.620	-15.710	60.0	-12.068	-6.222	-18.955
65.0	-28.600	-21.620	-12.584	-15.808	-15.788	65.0	-28.771	-28.771	-28.771
70.0	6.042	-21.437	-12.786	-10.445	-3.678	70.0	-5.578	-28.565	-28.565
75.0	3.455	-8.721	-17.590	-17.242	-2.280	75.0	-3.310	-3.310	-3.310
80.0	-8.339	-4.722	2.789	-13.134	-0.920	80.0	-5.248	-5.248	-5.248
85.0	-0.918	-14.715	8.861	-9.661	-14.109	85.0	-5.248	-5.248	-5.248
90.0	-0.098	0.136	-0.401	-1		90.0	-0.098	0.136	-0.401
2.5 (LOWER)	-0.440	0.373	0.262	0.571	0.363	2.5 (LOWER)	-0.440	0.373	0.262
5.0	-0.422	0.592	0.262	0.824	0.339	5.0	-0.422	0.592	0.262
10.0	-0.520	-0.101	0.176	1.402	0.719	10.0	-0.520	-0.101	0.176
15.0	-0.249	-0.541	0.803	0.384	1.258	15.0	-0.249	-0.541	0.803
20.0	-0.023	-0.851	0.803	1.663	2.5.832	20.0	-0.023	-0.851	0.803
25.0	-0.555	-0.470	0.347	10.010	3.149	25.0	-0.555	-0.470	0.347
30.0	-4.268	-9.731	15.493	15.231	4.577	30.0	-4.268	-9.731	15.493
35.0	0.747	4.875	4.875	3.235	12.916	35.0	0.747	4.875	4.875

WING PRESSURE COEFFICIENTS

RUN 366 POINT 6 ALPHA 21.06 PSI 0.00 HEIGHT 98.22									
X/C, Z	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	-19.058	-11.004	-7.442	-7.248	-5.393				
2.5	-8.341	-13.055	-7.630	-6.164	-5.242				
5.0	-4.980	-6.449	-6.449	-6.449	-4.756				
10.0	-3.870	-4.002	-10.833	-7.186	-6.134				
15.0	-2.410	-3.141	-12.000	-8.341	-5.188				
20.0	-3.351	-2.418	-5.627	-11.645	-5.714				
25.0	-2.528	-2.383	-2.826	-8.688	-5.741				
30.0	-1.240	-2.584	-2.613	-7.601	-5.964				
35.0	-1.430	-4.283	-3.960	-15.873	-6.362				
40.0	-1.612	-12.157	-12.333	-11.990	-11.503				
45.0	-34.072	-283.346	-243.855	-182.335	-232.885				
50.0	-11.217	-37.072	-37.210	-70.787	-2.812				
55.0	-10.855	-29.000	-15.051	-27.116	-43.746				
60.0	-12.035	-6.341	16.732	-14.935	-50.565				
65.0	-23.341	-19.688	-12.290	-14.572	-4.718				
70.0	-5.054	-19.004	-12.370	-10.250	-4.718				
75.0	-3.018	-6.761	-16.138	-15.364	-0.036				
80.0	-4.812	-4.955	-1.429	-12.145	-0.894				
85.0	-7.239	-5.691	1.474	-3.863	-14.232				
90.0	-11.312	-12.065	-7.188	-7.732	-11.435				
95.0	-0.559	-0.672	-1.133	-1.817	-1.034				
100.0	-0.104	-0.649	-0.132	-0.704	-0.747				
2.5 (LOWER)	0.848	0.468	0.012	0.184	-0.710				
5.0	-0.007	0.327	0.277	-0.815	-0.362				
10.0	0.318	0.054	-0.165	-0.039	-1.081				
15.0	0.121	0.205	-0.325	-1.169	-1.435				
20.0	0.318	0.205	-0.325	-1.169	-1.435				
25.0	-0.221	-0.141	-0.230	-0.116	-1.638				
30.0	-3.402	-7.841	-14.746	-12.514	-3.705				
35.0	0.916	-3.574	-3.871	-2.511	-10.587				

RUN 367 POINT 27 ALPHA 0.01 PSI 0.00 HEIGHT 88.36

X/C, Z	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	-0.188	-1.001	-2.207	-2.829	-3.958				
2.5	-0.765	-1.481	-2.213	-2.165	-3.548				
5.0	-0.815	-1.320	-1.447	-1.706	-2.096				
10.0	-0.721	-1.114	-1.432	-1.508	-1.640				
15.0	-0.650	-0.904	-1.386	-1.398	-1.476				
20.0	-0.707	-0.982	-1.177	-1.287	-1.370				
25.0	-0.955	-0.982	-1.285	-1.399	-1.519				
30.0	-2.336	-1.351	-1.811	-4.208	-3.418				
35.0	-0.414	-2.268	-2.474	-3.422	-2.377				
40.0	-0.423	-7.003	-8.793	-8.623	-9.028				
45.0	-194.327	-144.487	-123.284	-101.900	-130.388				
50.0	-16.046	-16.830	-18.054	-49.272	-0.267				
55.0	-6.503	-3.882	-8.025	-14.049	-21.566				
60.0	-6.007	-4.636	-7.256	-8.221	-9.950				
65.0	-13.534	-6.924	-11.073	-7.623	-7.938				
70.0	-1.516	-9.805	-4.980	-6.184	-3.781				
75.0	-2.573	-4.114	-9.865	-8.957	-0.013				
80.0	-3.045	-2.684	-0.707	-6.100	-0.389				
85.0	-3.004	-2.564	-1.250	-1.977	-7.313				
90.0	-3.154	-4.350	-3.516	-4.165	-5.043				
95.0	0.136	0.251	-0.075	0.239	0.181				
100.0	0.089	0.080	-0.029	0.196	0.141				
2.5 (LOWER)	0.058	0.147	0.076	0.136	0.076				
5.0	0.060	0.004	0.059	0.042	0.110				
10.0	0.137	-0.007	-0.033	0.149	-2.485				
15.0	0.137	0.154	0.046	0.133	-6.100				
20.0	0.362	0.507	0.413	2.798	-1.095				
25.0	-1.681	-2.454	-7.412	-1.845	-2.164				
30.0	0.174	-1.542	0.246	-1.544	-2.936				

WING PRESSURE COEFFICIENTS

RUN 367 POINT 26 ALPHA 4.02 PSI 0.00 HEIGHT 88.45									
X/C, Z	BP 2	BP 6	BP 12	BP 16	BP 22				
0.0 (UPPER)	-1.415	-3.052	-4.886	-4.147	-2.768				
2.5	-1.176	-1.987	-3.567	-3.712	-2.583				
5.0	-1.143	-1.839	-2.047	-3.717	-2.523				
10.0	-0.933	-1.451	-1.722	-3.420	-2.414				
15.0	-0.887	-1.193	-1.622	-3.255	-2.355				
20.0	-0.838	-1.044	-1.364	-1.261	-2.224				
25.0	-1.108	-1.128	-1.414	-1.424	-2.188				
30.0	-2.448	-1.452	-1.414	-4.564	-3.723				
35.0	-0.390	-2.352	-2.560	-3.285	-2.280				
40.0	-0.468	-7.025	-8.225	-8.987	-8.446				
45.0	-194.143	-144.375	-124.118	-103.712	-131.814				
50.0	-13.877	-18.757	-18.235	-49.398	-0.237				
55.0	-6.503	-4.339	-8.238	-14.466	-22.780				
60.0	-3.955	-4.571	-7.249	-6.387	-11.008				
65.0	-13.589	-9.083	-11.071	-7.784	-8.874				
70.0	-7.583	-9.819	-4.970	-6.383	-4.049				
75.0	-2.508	-4.205	-9.776	-8.127	-0.181				
80.0	-2.327	-2.082	-0.795	-6.235	-0.371				
85.0	-3.157	-2.715	-1.165	-2.123	-3.105				
90.0	-2.894	-4.723	-3.552	-4.123	-5.466				
95.0	0.300	0.382	0.152	0.220	0.177				
100.0	0.070	0.226	0.179	0.278	0.163				
2.5 (LOWER)	2.074	0.310	0.238	0.254	0.087				
5.0	0.114	0.107	0.187	0.123	-0.065				
10.0	0.090	0.095	0.057	0.200	-0.479				
15.0	0.190	0.219	0.087	-0.124	-6.477				
20.0	0.399	0.540	0.454	-3.099	-1.173				
25.0	-2.018	-2.991	-7.623	-2.078	-2.395				
30.0	0.221	-2.326	0.244	-1.712	-3.428				

RUN 367 POINT 20 ALPHA 8.02 PSI 3.00 HEIGHT 88.81

X/C, Z	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-3.567	-5.183	-3.885	-3.503	-3.026
2.5	-2.010	-5.034	-3.979	-3.583	-3.102
5.0	-1.713	-4.444	-4.059	-3.587	-3.072
10.0	-1.341	-1.494	-4.153	-3.783	-3.042
15.0	-1.196	-1.398	-3.779	-3.911	-3.034
20.0	-1.113	-1.240	-1.579	-3.590	-3.085
25.0	-1.330	-1.301	-1.301	-2.647	-3.355
30.0	-2.578	-1.602	-2.001	-5.151	-4.267
35.0	-0.441	-2.602	-2.606	-3.647	-1.687
40.0	-0.455	-7.643	-9.673	-3.623	-10.138
45.0	-203.272	-151.401	-130.786	-107.998	-137.374
50.0	-16.210	-19.503	-18.887	-52.006	-0.357
55.0	-6.560	-4.834	-8.735	-14.908	-25.779
60.0	-8.263	-4.887	-7.563	-8.815	-13.911
65.0	-14.093	-9.635	-11.571	-8.255	-11.181
70.0	-1.728	-10.248	-5.212	-6.856	-5.769
75.0	-2.640	-4.483	-10.561	-9.651	-1.518
80.0	-3.622	-2.315	-1.002	-6.522	-0.410
85.0	-3.586	-2.970	0.910	-2.447	-10.335
90.0	-2.966	-5.261	-4.145	-4.433	-6.096
95.0	0.453	0.364	0.050	0.112	0.014
2.5 (LOWER)	0.246	0.332	0.174	0.281	0.138
5.0	0.230	0.407	0.295	0.368	0.108
10.0	0.193	0.439	0.243	0.178	0.039
20.0	0.165	0.141	0.114	0.245	-0.039
33.0	0.165	0.141	0.114	0.245	-0.039
54.0	0.241	0.241	0.073	-0.107	-7.136
73.5	0.393	0.566	0.436	-2.502	-1.453
84.0	-2.109	-3.552	-8.552	-2.183	-2.606
96.0	-0.252	-2.584	0.243	-1.841	-1.972



MING PRESSURE COEFFICIENTS

MM 387 POINT 30 ALPHA 12.00 PSI	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (SUPPER)	-8.541	-5.884	-4.425	-3.882	-3.330
2.5	-3.040	-6.843	-4.874	-4.146	-3.466
5.0	-3.210	-7.537	-5.274	-4.394	-3.540
10.0	-1.785	-1.438	-6.278	-4.608	-3.931
15.0	-1.958	-1.531	-5.587	-4.003	-3.687
20.0	-1.345	-1.378	-2.483	-3.004	-2.776
25.0	-1.514	-1.428	-1.127	-4.000	-2.664
30.0	-2.764	-1.723	-2.317	-5.647	-4.745
35.0	-0.475	-3.782	-2.840	-3.826	-1.716
40.0	-0.505	-6.174	-10.487	-10.778	-10.764
45.0	-31.880	-188.577	-137.000	-112.116	-143.640
50.0	-18.428	-56.812	-30.095	-54.437	-6.250
55.0	-8.940	-5.524	-8.451	-15.441	-9.870
60.0	-6.940	-5.180	-7.500	-8.078	-17.213
65.0	-14.488	-10.261	-12.234	-8.715	-14.271
70.0	-1.876	-18.836	-5.860	-7.250	-7.778
75.0	-2.567	-4.817	-11.064	-10.159	-3.032
80.0	-2.867	-2.576	-1.216	-7.662	-3.437
85.0	-3.963	-2.274	0.740	-2.767	-11.270
90.0	-3.013	-5.738	-4.338	-4.730	-6.461
95.0	0.475	0.241	-0.091	-0.091	-0.193
100.0	0.260	0.402	0.144	0.212	0.020
105.0	0.254	0.244	0.268	0.268	-0.080
110.0	0.210	0.221	0.140	0.240	-0.034
115.0	0.232	0.255	0.121	0.120	-0.130
120.0	0.342	0.333	0.426	-1.062	-1.718
125.0	-2.695	-2.810	-11.720	-2.283	-3.098
130.0	0.310	-2.780	0.242	-1.000	-4.350

MING PRESSURE COEFFICIENTS

MM 387 POINT 32 ALPHA 21.00 PSI	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (SUPPER)	-18.437	-14.090	-5.800	-4.083	-3.801
2.5	-5.323	-12.828	-5.340	-3.195	-2.940
5.0	-3.960	-14.080	-5.882	-3.421	-4.021
10.0	-2.868	-3.528	-6.087	-3.563	-4.276
15.0	-2.622	-3.088	-6.760	-3.793	-4.300
20.0	-1.620	-1.720	-2.224	-6.074	-4.300
25.0	-1.681	-1.120	-2.224	-6.074	-4.300
30.0	-3.533	-2.820	-2.224	-6.074	-4.300
35.0	-0.547	-2.820	-2.224	-6.074	-4.300
40.0	-0.547	-2.820	-2.224	-6.074	-4.300
45.0	-901.000	-153.767	-137.147	-113.460	-175.807
50.0	-14.811	-24.134	-38.783	-52.783	-6.434
55.0	-6.124	-5.290	-10.818	-15.826	-22.487
60.0	-7.923	-5.531	-6.512	-8.521	-11.830
65.0	-13.952	-10.540	-12.941	-10.460	-10.913
70.0	-1.872	-11.252	-0.220	-6.212	-5.843
75.0	-2.475	-5.250	-11.500	-10.564	-1.534
80.0	-2.751	-3.261	-1.870	-7.420	-0.475
85.0	-2.753	-5.178	-4.144	-3.321	-0.518
90.0	-2.753	-5.178	-4.144	-3.321	-0.518
95.0	0.690	-0.430	-0.081	-0.767	-0.760
100.0	0.374	0.374	0.270	-0.020	-0.212
105.0	0.512	0.315	0.270	0.270	0.824
110.0	0.410	0.260	0.453	0.260	0.424
115.0	0.325	0.380	0.257	0.424	-0.000
120.0	0.383	0.380	0.257	0.424	-0.000
125.0	0.383	0.380	0.257	0.424	-0.000
130.0	-1.075	-2.575	-0.442	-1.041	-1.757
135.0	0.070	-2.200	-0.395	-1.728	-2.383
140.0	0.070	-2.200	-0.395	-1.473	-3.957

MING PRESSURE COEFFICIENTS

MM 387 POINT 31 ALPHA 18.00 PSI	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (SUPPER)	-10.202	-7.740	-5.232	-4.370	-3.880
2.5	-4.164	-6.380	-5.843	-4.810	-3.780
5.0	-2.823	-10.280	-3.856	-4.840	-3.460
10.0	-2.299	-3.287	-7.888	-5.101	-4.002
15.0	-1.807	-1.803	-7.888	-5.101	-4.002
20.0	-1.842	-1.523	-2.868	-7.023	-4.310
25.0	-1.687	-1.523	-1.348	-5.838	-4.831
30.0	-2.745	-1.775	-2.443	-5.773	-4.997
35.0	-0.314	-2.882	-2.687	-3.088	-7.460
40.0	-0.338	-6.166	-10.451	-10.155	-10.504
45.0	-210.111	-158.814	-130.540	-110.200	-102.416
50.0	-15.000	-20.447	-20.750	-35.149	-9.317
55.0	-5.952	-5.835	-10.060	-15.643	-20.528
60.0	-7.112	-5.223	-7.336	-6.478	-1.730
65.0	-14.747	-10.528	-12.091	-6.304	-14.923
70.0	-2.191	-11.200	-5.040	-7.754	-7.683
75.0	-2.370	-5.642	-11.380	-10.542	-3.181
80.0	-2.857	-3.647	-1.449	-7.343	-0.680
85.0	-3.922	-3.500	0.548	-3.008	-10.280
90.0	-3.904	-5.800	-4.544	-4.048	-2.295
95.0	0.328	0.330	0.314	-0.328	-0.275
100.0	0.308	0.481	0.120	0.124	-0.040
105.0	0.394	0.606	0.200	0.230	0.240
110.0	0.341	0.331	0.200	0.251	-0.016
115.0	0.291	0.278	0.217	0.257	-0.050
120.0	0.278	0.280	0.194	-0.000	-7.828
125.0	0.240	0.547	0.420	-1.282	-1.893
130.0	-1.814	-2.838	-11.078	-2.000	-3.070
135.0	0.385	-2.767	0.361	-1.760	-4.320

MING PRESSURE COEFFICIENTS

MM 380 POINT 3 ALPHA 0.01 PSI	BP 2	BP 6	BP 12	BP 16	BP 22
X/C, %					
0.0 (SUPPER)	-0.044	-0.182	0.403	0.432	0.384
2.5	0.300	0.300	-0.010	-0.250	-0.311
5.0	0.230	0.190	-0.071	-0.210	-0.214
10.0	0.137	0.078	-0.140	-0.220	-0.200
15.0	-0.060	-0.000	-0.185	-0.210	-0.200
20.0	-0.087	-0.182	-0.170	-0.210	-0.220
25.0	-0.087	-0.174	-0.253	-0.240	-0.123
30.0	-0.048	-0.278	-0.250	-0.240	-0.250
35.0	-0.048	-0.278	-0.250	-0.240	-0.250
40.0	-0.048	-0.278	-0.250	-0.240	-0.250
45.0	-0.048	-0.278	-0.250	-0.240	-0.250
50.0	-0.048	-0.278	-0.250	-0.240	-0.250
55.0	-0.048	-0.278	-0.250	-0.240	-0.250
60.0	-0.048	-0.278	-0.250	-0.240	-0.250
65.0	-0.048	-0.278	-0.250	-0.240	-0.250
70.0	-0.048	-0.278	-0.250	-0.240	-0.250
75.0	-0.048	-0.278	-0.250	-0.240	-0.250
80.0	-0.048	-0.278	-0.250	-0.240	-0.250
85.0	-0.048	-0.278	-0.250	-0.240	-0.250
90.0	-0.048	-0.278	-0.250	-0.240	-0.250
95.0	-0.048	-0.278	-0.250	-0.240	-0.250
100.0	-0.048	-0.278	-0.250	-0.240	-0.250
105.0	-0.048	-0.278	-0.250	-0.240	-0.250
110.0	-0.048	-0.278	-0.250	-0.240	-0.250
115.0	-0.048	-0.278	-0.250	-0.240	-0.250
120.0	-0.048	-0.278	-0.250	-0.240	-0.250
125.0	-0.048	-0.278	-0.250	-0.240	-0.250
130.0	-0.048	-0.278	-0.250	-0.240	-0.250
135.0	-0.048	-0.278	-0.250	-0.240	-0.250
140.0	-0.048	-0.278	-0.250	-0.240	-0.250

C-4

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00000000000000000000000000000000

NAME	217	POSITION	0	ALPHA	13	03	PA1	0.00	HE [km]	00.04
	h	m	s							
0	0	0	-0.4072	-0.1940	-2.4409	-0.7823	00 27			
1	0	0	-0.1944	-0.9238	-1.791	-3.077	00 27			
2	0	0	-0.0330	-1.140	-1.481	-2.760	00 27			
3	0	0	-0.347	-1.324	-1.469	-2.720	00 27			
4	0	0	-0.607	-1.340	-1.282	-1.640	00 27			
5	0	0	-0.394	-1.332	-1.487	-1.493	00 27			
6	0	0	-0.440	-1.437	-1.543	-1.510	00 27			
7	0	0	-0.924	-1.082	-0.477	-1.507	00 27			
8	0	0	-0.238	-2.045	-2.263	-2.335	00 27			
9	0	0	-0.378	-3.140	-3.580	-3.254	00 27			
10	0	0	-0.126	-3.137	-4.053	-4.063	00 27			
11	0	0	-0.390	-3.630	-3.933	-3.783	00 27			
12	0	0	-1.976	-0.637	-0.119	-1.040	00 27			
13	0	0	-3.473	-0.300	-0.158	-7.190	00 27			
14	0	0	-0.083	-0.711	-3.241	-3.243	00 27			
15	0	0	-0.083	-0.380	-3.800	-2.010	00 27			
16	0	0	-1.084	-0.783	-4.788	-2.172	00 27			
17	0	0	-1.084	-1.003	-3.016	-0.146	00 27			
18	0	0	-1.085	-1.910	-2.654	-1.282	00 27			
19	0	0	-0.197	-0.440	-0.209	-0.000	00 27			
20	0	0	-0.450	-0.760	-0.593	-0.215	00 27			
21	0	0	-0.376	-0.310	-0.564	-0.787	00 27			
22	0	0	-0.237	-0.725	-0.470	-0.157	00 27			
23	0	0	-0.416	-0.770	-0.187	-0.141	00 27			
24	0	0	-0.304	-0.281	-0.073	-0.180	00 27			
25	0	0	-0.997	-0.043	-0.027	-0.074	00 27			
26	0	0	-0.397	-0.060	-0.360	-0.187	00 27			
27	0	0	-0.971	-3.701	-0.543	-0.333	00 27			
28	0	0	-0.326	-0.945	-0.541	-0.129	00 27			

[illegible]

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

NAME	SYS	POSINT	2	ALLPSS	0.03	PSS1	0.00	MS100?	SEP 16	SEP 20
K/E	U	SEP 2	SEP 3	SEP 4	SEP 5	SEP 6	SEP 7	SEP 8	SEP 9	SEP 10
0	0	0.35, 2	-0.0	0.1	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
2.5	0	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
5.0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
10.0	0	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
15.0	0	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
20.0	0	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
25.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
30.0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
35.0	0	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
40.0	0	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
45.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
50.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
55.0	0	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
60.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
65.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
70.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
75.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
80.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
85.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
90.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
95.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
100.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
2.5	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
10.0	0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
20.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
30.0	0	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
40.0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
50.0	0	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
60.0	0	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
70.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
80.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
90.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
95.0	0	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
100.0	0	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008

NAME	371	PM10T	3	AlPm0	0.03	P01	0.00	ml1001	01-17
A/C	%		SEP 3	SEP 0	SEP 12	SEP 16	SEP 20		
0	0	0	-0.373	-0.362	0.003	-1.018	-3.059		
2.5	0	0	0.159	0.423	-0.776	-1.418	-3.791		
5	0	0	0.012	0.248	-1.047	-1.260	-1.543		
10	0	0	0.253	0.238	-1.377	-1.245	-1.265		
15	0	0	0.214	-0.080	-1.371	-1.211	-0.885		
20	0	0	0.177	0.188	-1.205	-1.368	-0.913		
33	0	0	0.342	-0.439	-1.551	-1.484	-1.170		
50	0	0	-0.448	-0.035	-1.510	-1.464	-1.000		
75	0	0	0.260	-1.328	-1.034	-2.743	-1.576		
80	0	0	-0.760	-4.151	-0.844	-0.921	-5.240		
80.5	0	0	-0.1773	-0.000	-0.3308	-0.188	-0.000		
81	0	0	-0.403	-4.405	-0.095	-0.763	-0.781		
82	0	0	-1.407	-3.710	-0.210	-0.178	-0.784		
84	0	0	-0.910	-4.837	-0.748	-0.498	-0.180		
85	0	0	-0.432	-4.107	-1.037	-0.498	-0.334		
87	0	0	-0.329	-2.300	-0.107	-0.000	-0.405		
88	0	0	-1.207	-4.700	-0.470	-0.772	-1.772		
93	0	0	-1.040	-1.505	-1.750	-3.135	-0.188		
95	0	0	-1.740	-0.990	-0.990	-2.302	-3.721		
100	0	0	0.180	0.200	0.233	0.071	0.171		
2	5	0	-0.312	0.311	-0.688	-0.783	-0.705		
5	0	0	-0.427	-0.173	-0.547	-0.915	-0.137		
10	0	0	0.177	0.148	-0.564	-0.440	-0.010		
20	0	0	0.400	0.260	-0.537	-0.517	-0.377		
33	0	0	0.287	0.433	-0.512	-0.371	-0.075		
50	0	0	0.023	0.200	0.310	-0.205	-0.950		
75	0	0	0.112	-0.153	-0.047	0.111	-0.170		
84	0	0	0.087	0.504	2.490	0.507	0.660		
94	0	0	0.246	0.374	0.407	0.447	0.581		

00000000000000000000

Run	379	382/61	3° 41' 00" N	4° 00' 00" E	0.04 sec/deg	0.17°	0.17°
Lat	379	382/61	3° 41' 00" N	4° 00' 00" E	0.04 sec/deg	0.17°	0.17°
0.0	0.0	0.0	-0.291	-0.458	-0.700	-1.042	-1.409
1.0	1.0	0.061	-0.061	-0.713	-0.944	-1.075	-1.060
2.0	2.0	0.444	0.443	-0.091	-0.072	-1.431	-1.431
3.0	3.0	0.447	0.376	-0.079	-0.110	-1.100	-1.100
4.0	4.0	0.399	-0.039	-0.039	-0.311	-1.311	-0.931
5.0	5.0	0.300	-0.030	-0.300	-0.945	-1.049	-1.132
6.0	6.0	-0.020	-0.343	-0.749	-1.049	-1.387	-1.387
7.0	7.0	-0.831	-0.841	-1.415	-1.600	-2.505	-2.505
8.0	8.0	-0.208	-1.503	-1.915	-2.762	-1.009	-0.175
9.0	9.0	-0.087	-0.634	-0.350	-0.312	-0.312	-0.312
10.0	10.0	-1.1748	-0.659	-0.258	-0.258	-0.258	-0.258
11.0	11.0	-1.341	-1.275	-1.765	-0.312	-0.312	-0.312
12.0	12.0	-0.003	-0.001	-1.765	-0.312	-0.312	-0.312
13.0	13.0	-0.723	-0.456	-1.765	-0.312	-0.312	-0.312
14.0	14.0	-0.726	-0.198	-0.137	-0.137	-0.137	-0.137
15.0	15.0	-0.577	-0.501	-2.174	-0.191	-0.191	-0.191
16.0	16.0	-1.376	-2.082	-1.326	-2.082	-0.200	-0.200
17.0	17.0	-1.313	-1.313	-1.326	-2.082	-0.200	-0.200
18.0	18.0	-1.309	-1.760	-0.375	-1.874	-0.407	-0.407
19.0	19.0	-0.375	-0.308	-0.375	-0.214	-1.142	-1.142
20.0	20.0	-0.671	-0.344	-0.916	-1.152	-0.649	-0.649
21.0	21.0	-0.057	-0.271	-0.087	-0.943	-0.754	-0.754
22.0	22.0	-0.319	-0.793	-0.837	-0.793	-0.510	-0.510
23.0	23.0	-0.791	-0.547	-0.826	-1.000	-0.500	-0.500
24.0	24.0	-0.400	-0.744	-0.500	-0.870	-0.110	-0.110
25.0	25.0	-0.376	-0.992	-0.916	-1.372	-0.322	-0.322
26.0	26.0	-0.500	-0.700	-0.813	-0.168	-0.772	-0.772
27.0	27.0	-0.312	-0.312	-0.444	-0.444	-0.500	-0.500
28.0	28.0	-0.312	-0.312	-0.444	-0.444	-0.500	-0.500

[illegible][illegible]

NAME	374	POB101	0	04. P000	375	000	P001	0	000	001	0001	000	300
1.4%	5												
0	0	0											
2 5	0	-1.754					-0.177		-0.000		-0.370		-0.740
5 0	0	-0.400					-0.167		-1.871		-4.467		-8.743
10 0	0	-0.127					-0.300		-1.080		-3.030		-7.003
15 0	0	-0.115					-0.305		-1.051		-3.030		-6.376
20 0	0	-0.302					-0.012		-1.410		-3.130		-6.474
25 0	0	-0.205					-0.021		-1.000		-1.000		-3.700
30 0	0	-0.304					-1.160		-1.507		-3.303		-7.000
35 0	0	-0.410					-1.181		-2.134		-6.244		-1.782
40 0	0	-0.500					-1.082		-3.000		-3.000		-7.755
45 0	0	-0.670					-0.015		-0.010		-6.214		-7.955
50 0	0	-0.840					-0.040		-0.033		-6.033		-47.000
55 0	0	-0.952					-1.010		-0.177		-1.010		-12.710
60 0	0	-0.200					-0.274		-0.775		-0.110		-0.800
65 0	0	-0.320					-0.070		-0.700		-0.800		-0.721
70 0	0	-0.550					-0.302		-0.787		-0.754		-0.000
75 0	0	-1.702					-0.117		-3.000		-4.350		-3.170
80 0	0	-2.707					-0.207		-0.004		-4.000		-7.753
85 0	0	-1.000					-0.270		-0.055		-3.700		-0.200
90 0	0	-2.134					-0.100		-1.214		-3.214		-3.214
100 0	0	-0.000					-0.000		-0.240		-0.240		-0.001
110 0	0	-0.002					-0.122		-0.150		-0.037		-0.001
120 0	0	-0.700					-0.272		-0.070		-0.201		-0.007
130 0	0	-0.007					-0.007		-0.303		-0.000		-0.237
140 0	0	-0.170					-0.000		-0.310		-0.411		-0.750
150 0	0	-0.401					-0.411		-0.004		-0.004		-0.340
160 0	0	-0.820					-0.202		-0.273		-0.273		-0.077
170 0	0	-0.600					-0.544		-0.717		-0.570		-0.070
180 0	0	-0.310					-0.000		-3.013		-0.004		-0.301
190 0	0	-0.070					-0.700		-0.003		-0.771		-0.200

[illegible]

WING PRESSURE COEFFICIENTS

WING POINT 4	ALPHA	12.03	PSI	0.00	MEAN	86.84	BP 3	BP 6	BP 12	BP 16	BP 22
1/C, %											
0.0	WING POINT	-0.141	-0.799	-1.312	-2.332	-3.170	-0.953	-0.647	-0.326	-0.031	-0.372
2.5		0.700	0.432	-1.175	-1.826	-3.413	0.863	-0.122	-1.781	-2.006	-3.255
5.0		0.650	0.097	-1.595	-1.840	-3.000	0.751	-0.483	-2.005	-2.011	-4.370
10.0		0.328	0.287	-1.741	-1.732	-1.712	0.660	-0.381	-2.000	-2.450	-4.123
15.0		0.147	-0.125	-1.504	-1.664	-1.312	-0.115	-0.663	-1.000	-2.300	-3.105
20.0		-0.406	-0.766	-1.564	-2.135	-1.392	0.400	-0.832	-2.030	-2.500	-2.010
25.0		-0.826	-0.610	-1.480	-2.752	-1.871	-0.804	-1.304	-2.110	-3.500	-2.040
30.0		-0.826	-0.780	-1.480	-2.752	-2.443	-0.804	-1.304	-2.110	-3.500	-2.040
35.0		-0.413	-1.743	-2.119	-2.401	-2.443	-0.804	-1.304	-2.110	-3.500	-2.040
40.0		-0.506	-0.125	-0.894	-0.899	-2.443	-0.804	-1.304	-2.110	-3.500	-2.040
45.0		-1.121	-0.773	-0.743	-0.899	-2.443	-0.804	-1.304	-2.110	-3.500	-2.040
50.0		-1.121	-0.773	-0.743	-0.899	-2.443	-0.804	-1.304	-2.110	-3.500	-2.040
55.0		-0.576	-0.117	-1.116	-0.406	-1.530	-0.804	-1.304	-2.110	-3.500	-2.040
60.0		-0.204	-0.100	-1.116	-0.511	-0.930	-0.804	-1.304	-2.110	-3.500	-2.040
65.0		-0.760	-0.075	-0.714	-0.747	-0.747	-0.804	-1.304	-2.110	-3.500	-2.040
70.0		-0.136	-0.133	-0.057	-0.200	-1.137	-0.804	-1.304	-2.110	-3.500	-2.040
75.0		-1.804	-2.250	-0.660	-0.835	-0.407	-0.804	-1.304	-2.110	-3.500	-2.040
80.0		-1.397	-2.076	-2.035	-0.667	-0.200	-0.804	-1.304	-2.110	-3.500	-2.040
85.0		-1.378	-2.076	-2.035	-0.667	-0.200	-0.804	-1.304	-2.110	-3.500	-2.040
90.0		-0.163	-0.368	-0.097	-0.170	-0.560	-0.804	-1.304	-2.110	-3.500	-2.040
95.0		-0.707	-0.272	-1.234	-1.209	-0.360	-0.804	-1.304	-2.110	-3.500	-2.040
100.0		-0.222	-0.224	-0.930	-1.004	-0.222	-0.804	-1.304	-2.110	-3.500	-2.040
105.0		-0.770	-0.001	-0.954	-1.010	-0.220	-0.804	-1.304	-2.110	-3.500	-2.040
110.0		-0.303	-0.756	-0.972	-0.703	-0.173	-0.804	-1.304	-2.110	-3.500	-2.040
115.0		-0.092	-0.757	-0.865	-0.784	-0.491	-0.804	-1.304	-2.110	-3.500	-2.040
120.0		-0.307	-0.277	-0.350	-0.681	-0.681	-0.804	-1.304	-2.110	-3.500	-2.040
125.0		-0.077	-0.092	-0.513	-0.681	-0.681	-0.804	-1.304	-2.110	-3.500	-2.040
130.0		0.100	0.272	0.953	0.573	0.000	0.804	1.304	2.110	3.500	2.040

WING PRESSURE COEFFICIENTS

WING POINT 5	ALPHA	16.05	PSI	0.00	MEAN	86.87	BP 3	BP 6	BP 12	BP 16	BP 22
1/C, %											
0.0	WING POINT	-0.126	-0.343	-1.000	-2.010	-0.840	-0.487	-0.940	-0.029	-0.140	-0.003
2.5		0.752	0.173	-1.390	-2.064	-3.270	0.828	1.045	1.445	-0.142	-1.004
5.0		0.355	-0.160	-1.742	-1.915	-3.450	0.413	0.530	0.292	-0.200	-1.120
10.0		0.182	-0.041	-1.876	-1.867	-3.275	0.403	0.940	-0.142	-0.057	-0.070
15.0		0.000	-0.560	-1.726	-1.941	-1.762	0.374	-0.170	0.042	-1.070	-0.912
20.0		-0.821	-0.481	-1.824	-2.279	-1.818	-0.009	0.000	-0.220	-1.564	-1.324
25.0		-0.778	-0.481	-1.824	-2.414	-2.074	-0.179	-0.541	-0.370	-1.481	-1.792
30.0		-0.581	-0.600	-2.032	-1.560	-2.505	-1.000	-0.800	-0.444	-3.050	-4.470
35.0		-0.485	-2.032	-2.376	-2.305	-2.505	-1.000	-0.800	-0.444	-3.050	-4.470
40.0		-0.170	-0.571	-0.800	-2.357	-0.432	-0.800	-0.912	-0.747	-3.472	-1.710
45.0		-1.000	-0.000	-0.235	-2.422	-2.270	-0.800	-0.912	-0.747	-3.472	-1.710
50.0		-1.000	-0.000	-0.235	-2.422	-2.270	-0.800	-0.912	-0.747	-3.472	-1.710
55.0		-0.344	-0.407	-0.190	-0.862	-1.034	-0.800	-0.912	-0.747	-3.472	-1.710
60.0		-0.257	-0.003	1.011	-0.874	-0.800	-0.800	-0.912	-0.747	-3.472	-1.710
65.0		-0.426	-0.409	-0.001	-0.714	-0.447	-0.800	-0.912	-0.747	-3.472	-1.710
70.0		-0.151	-0.007	-0.335	-0.562	-0.373	-0.800	-0.912	-0.747	-3.472	-1.710
75.0		-1.070	-3.704	-2.279	-0.840	-1.040	-0.800	-0.912	-0.747	-3.472	-1.710
80.0		-1.730	-2.530	-2.422	-0.440	-0.363	-0.800	-0.912	-0.747	-3.472	-1.710
85.0		-2.137	-2.004	-1.324	-0.437	-0.600	-0.800	-0.912	-0.747	-3.472	-1.710
90.0		-0.040	-0.431	-0.293	-0.932	-0.520	-0.800	-0.912	-0.747	-3.472	-1.710
95.0		-0.506	-0.332	-1.474	-1.470	-0.130	-0.800	-0.912	-0.747	-3.472	-1.710
100.0		-0.181	-0.100	-1.024	-1.042	0.130	-0.800	-0.912	-0.747	-3.472	-1.710
105.0		-0.693	-0.530	-0.327	-0.878	-0.272	-0.800	-0.912	-0.747	-3.472	-1.710
110.0		-0.237	-0.604	-0.800	-0.560	-0.713	-0.800	-0.912	-0.747	-3.472	-1.710
115.0		-0.064	-0.630	-0.495	-0.484	-0.592	-0.800	-0.912	-0.747	-3.472	-1.710
120.0		-0.258	-0.260	-0.020	-0.018	-0.224	-0.800	-0.912	-0.747	-3.472	-1.710
125.0		0.145	0.754	0.480	0.784	0.473	-0.800	-0.912	-0.747	-3.472	-1.710
130.0		0.350	0.543	0.000	0.634	0.810	-0.800	-0.912	-0.747	-3.472	-1.710

WING POINT 1	ALPHA	0.03	PSI	0.00	MEAN	87.72	BP 3	BP 6	BP 12	BP 16	BP 22
1/C, %											
0.0	WING POINT	-0.487	-0.940	-0.487	-0.029	-0.140	-0.487	-0.940	-0.029	-0.140	-0.003
2.5		0.828	1.045	0.828	1.445	1.445	0.828	1.045	1.445	-0.142	-1.004
5.0		0.413	0.530	0.413	0.292	-0.200	0.413	0.530	0.292	-0.200	-1.120
10.0		0.403	0.940	-0.142	-0.057	-0.070	0.403	0.940	-0.142	-0.057	-0.070
15.0		0.374	-0.170	0.042	-1.070	-0.912	0.374	-0.170	0.042	-1.070	-0.912
20.0		-0.009	0.000	-0.220	-1.564	-1.324	-0.009	0.000	-0.220	-1.564	-1.324
25.0		-0.179	-0.541	-0.370	-1.481	-1.792	-0.179	-0.541	-0.370	-1.481	-1.792
30.0		-1.000	-0.800	-0.444	-3.050	-4.470	-1.000	-0.800	-0.444	-3.050	-4.470
35.0		-1.000	-0.800	-0.444	-3.050	-4.470	-1.000	-0.800	-0.444	-3.050	-4.470
40.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
45.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
50.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
55.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
60.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
65.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
70.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
75.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
80.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
85.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
90.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
95.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
100.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
105.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
110.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
115.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
120.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
125.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710
130.0		-0.800	-0.912	-0.747	-3.472	-1.710	-0.800	-0.912	-0.747	-3.472	-1.710

WING POINT	ALPHA	16.05	PSI	0.00	MEAN	86.87	BP 3	BP 6	BP 12	BP 16	BP 22
1/C, %											
0.0	WING POINT	-0.126	-0.343	-1.000	-2.010	-0.840	-0.487	-0.940	-0.029	-0.140	-0.003
2.5		0.752	0.173	-1.390	-2.064	-3.270	0.828	1.045	1.445	-0.142	-1.004
5.0		0.355	-0.160	-1.742	-1.915	-3.450	0.413	0.530	0.292	-0.200	-1.120
10.0		0.182	-0.041	-1.876	-1.867	-3.275	0.403	0.940	-0.142	-0.057	-0.070
15.0		0.000	-0.560	-1.726	-1.941	-1.762	0.374	-0.170	0.042	-1.070	-0.912
20.0		-0.821	-0.481	-1.824	-2.279	-1.818	-0.009	0.000	-0.220	-1.564	-1.324
25.0		-0.778	-0.481	-1.824	-2.414	-2.074	-0.179	-0.541	-0.370	-1.481	-1.792
30.0		-0.581	-0.600	-2.032	-1.560	-2.505	-1.000	-0.800	-0.444	-3.050	-4.470
35.0		-0.485	-2.032	-2.376	-2.305	-2.505	-1.000	-0.800	-0.444	-3.050	-4.470
40.0		-0.170	-0.571	-0.800	-2.357	-0.432	-0.800	-0.912	-0.747	-3.472	-1.710
45.0		-1.000	-0.000	-0.235	-2.422	-2.270	-0.800	-0.912	-0.747	-3.472	-1.710
50.0		-1.000	-0.000	-0.235	-2.422	-2.270	-0.800	-0.912	-0.747	-3.472	-1.710
55.0		-0.800	-0.800	-0.800	-0.800	-0.800	-0.800	-0.800	-0.800	-0.800	-0.800
60.0		-0.600	-0.600	-0.600	-0.600	-0.600	-0.600	-0.600	-0.600	-0.600	-0.600
65.0		-0.400	-0.400	-0.400	-0.400	-0.400	-0.400	-0.400	-0.400	-0.400	-0.400
70.0		-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200	-0.200
75.0		-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
80.0		0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
85.0		0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
90.0		0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
95.0		0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
100.0		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

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[illegible][illegible][illegible]

NAME	374	PQ101	1	ALPHA	-0.01	P41	0.00	DEL101	07.00
	R/C	%	SEP 2	SEP 6	SEP 12	SEP 16	SEP 20		
0.0	0.0	0.0	-1.373	-2.356	-0.746	-0.836	0.123		
2.5	2.5	0.043	1.141	2.158	0.134	0.134	1.559		
5.0	5.0	0.194	0.069	0.114	-0.104	-0.062	0.903		
10.0	10.0	0.312	1.281	-0.316	-1.143	2.077	2.116		
15.0	15.0	0.120	-0.072	0.213	-1.460	-1.007	1.007		
20.0	20.0	-1.617	-0.057	0.686	-2.287	1.739	1.739		
22.0	22.0	1.750	1.066	-0.333	-2.395	2.051	2.051		
24.0	24.0	-1.957	-1.268	3.157	7.548	-0.052	2.185		
26.0	26.0	-1.146	-2.081	3.084	-3.391	7.189	7.189		
28.0	28.0	-1.636	-10.375	17.580	-11.387	10.071	10.071		
30.0	30.0	-0.23	350.751	393.000	-993.000	377.650	377.650		
32.0	32.0	-25.167	-38.066	37.370	33.318	1.955	1.955		
34.0	34.0	-10.238	-0.758	16.316	16.549	-60.003	-60.003		
36.0	36.0	15.009	0.247	16.316	16.549	2.116	2.116		
38.0	38.0	5.947	-17.990	16.347	-14.775	-0.888	-0.888		
40.0	40.0	3.475	-0.266	-10.957	-17.450	0.240	0.240		
42.0	42.0	-0.783	-2.704	1.120	0.853	-0.936	-0.936		
44.0	44.0	-0.089	0.116	1.009	2.753	-1.046	-1.046		
46.0	46.0	-7.275	-7.118	0.016	-6.148	0.309	0.309		
48.0	48.0	-2.285	-1.003	-0.127	-3.709	-0.974	-0.974		
50.0	50.0	-0.250	-1.043	2.709	-2.038	1.991	1.991		
52.0	52.0	-1.330	-2.337	2.770	-1.557	1.244	1.244		
54.0	54.0	-0.621	-2.814	-2.001	-2.975	-0.784	-0.784		
56.0	56.0	-1.944	-2.766	-1.663	-3.478	-0.640	-0.640		
58.0	58.0	-0.770	-1.000	-1.447	-2.770	-1.565	-1.565		
60.0	60.0	-1.782	-1.812	-1.272	-0.038	1.915	1.915		
62.0	62.0	-0.643	-2.030	-10.546	-1.003	2.247	2.247		
64.0	64.0	-1.003	-0.004	0.005	1.771	0.280	0.280		

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[illegible]

2/C, %	SDP 2	SDP 5	SDP 10	SDP 15	SDP 20
0.0	-0.775	-1.317	-1.860	-2.516	-3.077
0.5	-0.661	-0.990	-1.550	-2.067	-2.765
1.0	-0.511	-0.812	-1.287	-1.652	-2.033
14.0	-0.257	-1.026	-0.493	-1.524	-2.052
15.0	0.151	-0.823	-0.078	-1.761	-1.877
24.0	-1.252	-0.067	-0.237	-2.426	-2.750
32.0	-1.545	-0.067	-0.843	-2.758	-3.216
34.0	-0.060	-1.172	-3.235	-5.516	-6.546
36.0	-1.295	-2.601	-3.279	-3.967	-3.077
78.0	-1.561	-0.070	-16.067	-12.573	-11.522
79.0	-182.182	345.612	12.447	270.260	293.260
80.0	-31.040	34.076	23.676	164.484	-1.195
81.0	-8.076	56.541	33.116	32.261	15.761
73.0	15.060	-2.860	14.731	-11.024	-20.260
87.0	-32.082	-15.266	-17.879	-14.569	-11.070
88.0	-6.242	-16.847	-0.066	-12.262	-2.220
89.0	-2.758	-6.776	-10.115	-15.814	-3.064
90.0	-3.661	-1.065	-1.722	-0.260	-1.121
94.0	-6.440	-0.466	1.516	-3.295	-5.067
95.0	-6.141	-0.106	-0.575	-5.675	-5.447
96.0	-2.760	1.261	-2.066	-3.142	-0.996
97.0	-2.953	-0.749	-1.066	-2.626	-1.918
10.0	-0.361	-0.778	-3.240	-2.081	-1.413
14.0	-2.160	-1.429	-2.710	-2.782	-1.212
22.0	-1.126	-2.064	-2.486	-2.516	-0.766
34.0	-0.963	-2.681	-2.060	-3.879	-0.487
72.0	-2.057	-2.757	-2.457	-0.662	-0.160
84.0	-1.244	-3.164	-31.060	1.266	1.716
86.0	-1.461	-1.370	-0.076	1.666	0.181

[illegible][illegible][illegible][illegible][illegible]

	POLYMER	% ALKYL	-0.69	PAI	0.00	NOISE	18.7%
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[illegible]

WING PRESSURE COEFFICIENTS

WING POINT 2 ALPHA 0.00 PSI 0.00 HEIGHT 22.82

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.045	-0.000	0.355	0.402	0.235
2.5	0.257	0.180	-0.180	-0.314	-0.417
5.0	0.114	0.121	-0.154	-0.318	-0.483
10.0	0.122	-0.014	-0.188	-0.218	-0.271
15.0	0.044	-0.008	-0.271	-0.240	-0.154
20.0	0.021	-0.101	-0.346	-0.145	-0.215
25.0	-0.042	-0.128	-0.282	-0.178	-0.191
30.0	-0.083	-0.222	-0.245	-0.245	-0.358
35.0	0.081	-0.245	-0.385	-0.352	-0.364
40.0	0.105	-0.478	-0.485	-0.616	-0.575
45.0	-0.506	-0.573	-0.427	-0.717	-0.634
50.0	-0.397	-0.275	-0.320	-0.387	-0.188
55.0	-0.277	-0.182	-0.456	-0.553	-0.341
60.0	-0.130	-0.833	-0.208	-0.814	-0.542
65.0	-0.488	-0.210	-1.187	-0.374	-0.780
70.0	-0.527	-0.463	-0.507	-0.403	-0.803
75.0	-0.598	-0.517	-0.608	-0.486	-0.886
80.0	-0.544	-0.522	-0.563	-0.558	-0.828
85.0	-0.524	-0.578	-0.514	-0.604	-0.768
90.0	-0.450	-0.481	-0.523	-0.607	-0.623
95.0	-0.261	-0.328	-0.412	-0.217	-0.150
100.0	-0.143	-0.150	-0.038	0.133	0.142
105.0	-0.184	-0.237	0.035	0.064	0.127
110.0	-0.005	0.058	0.065	0.135	0.061
115.0	-0.031	0.051	0.112	0.154	0.015
120.0	0.146	0.232	0.286	0.313	0.046
125.0	0.417	0.488	0.581	0.485	0.804
130.0	0.433	0.855	-0.845	0.814	0.581
135.0	0.233	0.357	0.374	0.412	0.316

(LOWER)

WING PRESSURE COEFFICIENTS

WING POINT 4 ALPHA -0.02 PSI 0.00 HEIGHT 68.87

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.118	-0.227	0.328	0.489	0.385
2.5	0.298	0.223	-0.105	-0.285	-0.310
5.0	0.218	0.147	-0.122	-0.280	-0.385
10.0	0.127	0.006	-0.187	-0.252	-0.244
15.0	0.052	0.012	-0.252	-0.279	-0.333
20.0	0.025	-0.092	-0.342	-0.145	-0.227
25.0	-0.041	-0.125	-0.268	-0.181	-0.263
30.0	0.043	-0.225	-0.253	-0.373	-0.373
35.0	0.063	-0.298	-0.338	-0.364	-0.370
40.0	0.063	-0.473	-0.531	-0.532	-0.701
45.0	0.517	-0.499	-0.421	-0.718	-0.620
50.0	0.398	-0.287	-0.536	-0.580	-0.188
55.0	-0.265	-0.188	-0.468	-0.371	-0.358
60.0	-0.153	-0.043	-0.228	-0.838	-0.573
65.0	-0.287	-0.201	-1.205	-0.388	-0.803
70.0	-0.547	-0.486	-0.531	-0.438	-0.693
75.0	-0.492	-0.531	-0.585	-0.826	-0.695
80.0	-0.575	-0.535	-0.578	-0.581	-0.616
85.0	-0.524	-0.583	-0.531	-0.821	-0.740
90.0	-0.471	-0.503	-0.538	-0.823	-0.660
95.0	-0.222	-0.471	-0.107	-0.127	-0.078
100.0	-0.263	-0.205	-0.113	0.062	0.074
105.0	-0.212	-0.305	-0.023	0.060	0.030
110.0	-0.045	-0.080	0.023	0.091	0.030
115.0	-0.077	0.017	0.077	0.115	0.001
120.0	0.112	0.203	0.267	0.266	0.832
125.0	0.182	0.473	0.558	0.468	0.581
130.0	0.403	0.838	-0.881	0.804	0.581
135.0	0.215	0.335	0.365	0.401	0.312

(LOWER)

WING POINT 3 ALPHA -0.03 PSI 0.00 HEIGHT 95.83

X/C, X	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.005	-0.201	0.338	0.478	0.364
2.5	0.265	0.218	-0.118	-0.310	-0.323
5.0	0.222	0.148	-0.127	-0.368	-0.404
10.0	0.128	0.090	-0.162	-0.253	-0.242
15.0	0.048	0.000	-0.263	-0.228	-0.338
20.0	0.028	-0.085	-0.242	-0.138	-0.220
25.0	-0.037	-0.121	-0.268	-0.178	-0.197
30.0	-0.088	-0.218	-0.248	-0.251	-0.385
35.0	0.083	-0.282	-0.333	-0.355	-0.387
40.0	-0.501	-0.486	-0.510	-0.825	-0.802
45.0	-0.388	-0.282	-0.417	-0.718	-0.547
50.0	-0.278	-0.191	-0.474	-0.545	-0.128
55.0	-0.130	-0.043	-0.528	-0.817	-0.356
60.0	-0.488	-0.190	-1.208	-0.398	-0.537
65.0	-0.528	-0.468	-0.517	-0.822	-0.802
70.0	-0.584	-0.522	-0.580	-0.817	-0.537
75.0	-0.582	-0.524	-0.571	-0.588	-0.684
80.0	-0.521	-0.577	-0.523	-0.814	-0.684
85.0	-0.485	-0.492	-0.530	-0.815	-0.645
90.0	-0.310	-0.400	-0.081	-0.150	-0.087
95.0	-0.183	-0.182	-0.087	0.082	0.091
100.0	-0.204	-0.290	-0.065	0.013	0.087
105.0	-0.033	-0.088	0.035	0.051	0.051
110.0	-0.044	0.025	0.080	0.126	0.005
115.0	0.122	0.212	0.278	0.300	0.843
120.0	0.396	0.478	0.587	0.485	0.588
125.0	0.408	0.848	-0.888	0.808	0.588
130.0	0.216	0.340	0.388	0.408	0.316

(LOWER)

WIND PRESSURE COEFFICIENTS

ROOM 377 POINT 2 ALPHA 0.02 PSI 0.00 HEIGHT 32.77.

Z/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.106	-0.135	-0.271	-0.417	-0.216
2.5	-0.208	-0.082	-0.247	-0.441	-0.448
5.0	-0.180	-0.049	-0.215	-0.432	-0.545
10.0	-0.084	-0.088	-0.248	-0.313	-0.284
15.0	-0.062	-0.028	-0.305	-0.270	-0.432
20.0	-0.012	-0.145	-0.313	-0.125	-0.258
25.0	-0.056	-0.160	-0.344	-0.183	-0.211
30.0	-0.074	-0.278	-0.256	-0.850	-1.323
35.0	-0.085	-0.228	-0.344	-0.367	-0.480
40.0	-0.110	-0.483	-0.478	-0.878	-0.783
45.0	-0.584	-0.838	-0.347	-0.804	-0.601
50.0	-0.344	-0.095	-0.523	-0.224	-0.315
55.0	-0.115	-1.411	-0.400	-0.586	-0.080
60.0	-0.160	-0.782	-0.388	-0.871	-0.510
65.0	-0.510	-0.059	-1.885	-0.211	-0.958
70.0	-0.552	-0.470	-0.506	-0.231	-1.170
75.0	-0.878	-0.664	-0.637	-0.664	-0.724
80.0	-0.588	-0.584	-0.611	-0.578	-0.068
85.0	-0.540	-0.857	-0.533	-0.648	-0.782
90.0	-0.501	-0.384	-0.378	-0.681	-0.868
100.0 (LOWER)	-0.288	-0.342	-0.055	-0.219	-0.074
2.5	-0.187	-0.272	-0.115	-0.110	-0.104
5.0	-0.173	-0.318	-0.064	-0.095	-0.113
10.0	-0.038	-0.112	-0.022	-0.136	-0.022
15.0	-0.148	-0.010	-0.088	-0.130	-0.057
20.0	-0.049	-0.180	-0.252	-0.278	-0.837
25.0	-0.408	-0.473	-0.571	-0.342	-0.127
30.0	-0.380	-0.638	-0.688	-0.242	-0.142
35.0	-0.152	-0.294	-0.370	-0.360	-0.258

WIND PRESSURE COEFFICIENTS

ROOM 377 POINT 4 ALPHA -0.02 PSI 0.00 HEIGHT 37.20

Z/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.177	-0.284	-0.249	-0.512	-0.383
2.5	-0.231	-0.142	-0.177	-0.336	-0.315
5.0	-0.190	-0.084	-0.170	-0.357	-0.452
10.0	-0.114	-0.083	-0.206	-0.243	-0.216
15.0	-0.090	-0.058	-0.230	-0.234	-0.368
20.0	-0.026	-0.113	-0.281	-0.110	-0.235
25.0	-0.036	-0.143	-0.328	-0.164	-0.183
30.0	-0.050	-0.280	-0.238	-0.626	-1.238
35.0	-0.054	-0.511	-0.338	-0.381	-1.238
40.0	-0.094	-0.471	-0.472	-0.868	-0.488
45.0	-0.331	-0.665	-0.323	-0.821	-0.850
50.0	-0.334	-0.134	-0.534	-0.236	-0.317
55.0	-0.071	-1.382	-0.424	-0.585	-0.088
60.0	-0.171	-0.780	-0.428	-0.888	-0.483
65.0	-0.478	-0.061	-1.822	-0.278	-0.838
70.0	-0.528	-0.483	-0.483	-0.284	-1.181
75.0	-0.848	-0.543	-0.823	-0.658	-0.727
80.0	-0.608	-0.541	-0.802	-0.875	-0.000
85.0	-0.522	-0.828	-0.528	-0.642	-0.787
90.0	-0.484	-0.520	-0.570	-0.848	-0.884
100.0 (LOWER)	-0.337	-0.488	-0.142	-0.138	-0.003
2.5	-0.200	-0.277	-0.172	-0.048	-0.048
5.0	-0.292	-0.376	-0.040	-0.043	-0.070
10.0	-0.065	-0.130	-0.004	-0.104	-0.004
15.0	-0.144	-0.037	-0.048	-0.108	-0.060
20.0	-0.038	-0.180	-0.238	-0.252	-0.618
25.0	-0.378	-0.47	-0.563	-0.337	-0.119
30.0	-0.363	-0.842	-0.708	-0.231	-0.138
35.0	-0.144	-0.283	-0.317	-0.371	-0.262

ROOM 377 POINT 3 ALPHA 0.00 PSI 0.00 HEIGHT 65.50

Z/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.158	-0.248	-0.282	-0.488	-0.344
2.5	-0.216	-0.121	-0.268	-0.380	-0.358
5.0	-0.185	-0.072	-0.188	-0.381	-0.488
10.0	-0.159	-0.084	-0.284	-0.284	-0.238
15.0	-0.031	-0.031	-0.257	-0.258	-0.414
20.0	-0.148	-0.148	-0.213	-0.121	-0.258
25.0	-0.044	-0.126	-0.241	-0.191	-0.212
30.0	-0.060	-0.273	-0.280	-0.641	-1.278
35.0	-0.046	-0.328	-0.356	-0.394	-0.511
40.0	-0.082	-0.695	-0.481	-0.691	-0.775
45.0	-0.528	-0.712	-0.373	-0.874	-0.883
50.0	-0.265	-0.124	-0.537	-0.324	-0.315
55.0	-0.020	-1.431	-0.458	-0.582	-0.080
60.0	-0.184	-0.785	-0.442	-0.842	-0.567
65.0	-0.480	-0.084	-1.880	-0.240	-0.828
70.0	-0.547	-0.480	-0.510	-0.282	-1.171
75.0	-0.874	-0.573	-0.848	-0.878	-0.750
80.0	-0.586	-0.565	-0.825	-0.684	-0.023
85.0	-0.545	-0.856	-0.551	-0.688	-0.820
90.0	-0.512	-0.531	-0.589	-0.873	-0.888
100.0 (LOWER)	-0.347	-0.450	-0.137	-0.147	-0.011
2.5	-0.221	-0.270	-0.182	-0.095	-0.044
5.0	-0.304	-0.378	-0.039	-0.052	-0.048
10.0	-0.088	-0.150	-0.075	-0.107	-0.085
15.0	-0.170	-0.048	-0.044	-0.105	-0.078
20.0	-0.023	-0.180	-0.216	-0.251	-0.619
25.0	-0.380	-0.453	-0.565	-0.337	-0.117
30.0	-0.365	-0.837	-0.723	-0.228	-0.130
35.0	-0.132	-0.274	-0.300	-0.358	-0.252

ROOM 378 POINT 1 ALPHA 0.00 PSI 0.00 HEIGHT 18.51

Z/C, %	BP 2	BP 6	BP 12	BP 16	BP 22
0.0 (UPPER)	-0.187	-0.148	-0.090	-0.328	-0.010
2.5	-0.085	-0.115	-0.460	-0.645	-0.602
5.0	-0.097	-0.112	-0.393	-0.640	-0.787
10.0	-0.028	-0.278	-0.375	-0.401	-3.774
15.0	-0.088	-0.105	-0.580	-0.328	-0.813
20.0	-0.018	-0.272	-0.451	-0.087	-0.327
25.0	-0.082	-0.342	-0.515	-0.215	-0.245
30.0	-0.888	-0.386	-0.264	-0.150	-2.552
35.0	-0.032	-0.401	-0.375	-0.488	-0.883
40.0	-0.120	-0.482	-0.428	-0.781	-0.908
45.0	-0.588	-0.848	-0.282	-1.352	-0.744
50.0	-0.283	-0.280	-0.810	-0.922	-0.337
55.0	-0.727	-0.880	-0.316	-0.585	-0.442
60.0	-0.758	-1.088	-0.618	-0.884	-0.180
65.0	-0.545	-0.581	-0.383	-0.068	-1.280
70.0	-0.838	-0.445	-0.930	-0.937	-1.682
75.0	-0.833	-0.848	-0.757	-0.782	-0.832
80.0	-0.858	-0.832	-0.720	-0.587	-0.677
85.0	-0.575	-0.811	-0.548	-0.728	-0.937
90.0	-0.582	-0.641	-0.848	-0.761	-0.730
100.0 (LOWER)	-0.275	-0.027	-0.076	-0.287	-0.020
2.5	-0.160	-0.370	-0.231	-0.180	-0.634
5.0	-0.444	-0.442	-0.608	-0.081	-0.121
10.0	-0.072	-0.228	-0.012	-0.175	-0.055
15.0	-0.327	-0.081	-0.015	-0.165	-0.177
20.0	-0.107	-0.174	-0.260	-0.221	-0.144
25.0	-0.412	-0.451	-0.518	-0.684	-0.154
30.0	-0.338	-0.153	-0.828	-0.442	-0.812
35.0	-0.088	-0.180	-0.217	-0.381	-0.150

MING PRESSURE COEFFICIENTS

MM 378 POINT 3 ALPHA	-0.02 PSI	0.00 PSI	0.00 HEIGHT	32.52
X/C, %	BP 2	BP 0	BP 12	BP 22
0.0 (UPPER)	-0.240	-0.226	0.155	0.481
2.5	0.141	-0.041	-0.343	-0.520
5.0	0.100	-0.095	-0.284	-0.547
10.0	0.090	-0.200	-0.314	-0.210
15.0	0.040	-0.040	-0.523	-0.378
20.0	0.078	-0.181	-0.387	-0.532
25.0	0.024	-0.307	-0.043	-0.271
30.0	-0.077	-0.356	-0.472	-0.186
35.0	0.046	-0.385	-0.233	-0.180
40.0	0.120	-0.434	-0.350	-0.233
45.0	0.209	-0.461	-0.484	-0.284
50.0	0.285	-0.491	-0.628	-0.338
55.0	0.344	-0.523	-0.760	-0.390
60.0	0.383	-0.550	-0.888	-0.440
65.0	0.412	-0.578	-1.012	-0.488
70.0	0.440	-0.606	-1.132	-0.535
75.0	0.468	-0.634	-1.248	-0.580
80.0	0.496	-0.662	-1.360	-0.625
85.0	0.524	-0.690	-1.468	-0.670
90.0	0.552	-0.718	-1.572	-0.715
95.0	0.580	-0.746	-1.672	-0.760
100.0	0.608	-0.774	-1.768	-0.805
2.5 (LOWER)	-0.316	-0.405	-0.112	0.238
5.0	-0.223	-0.381	-0.238	0.084
10.0	-0.084	-0.427	-0.335	-0.107
15.0	-0.092	-0.240	-0.814	-0.160
20.0	-0.334	-0.097	0.031	0.108
25.0	-0.103	0.172	0.210	0.238
30.0	-0.200	0.430	0.364	0.158
35.0	-0.320	0.182	-0.724	-0.821
40.0	-0.092	0.182	0.231	0.320

MING PRESSURE COEFFICIENTS

MM 378 POINT 4 ALPHA	0.02 PSI	0.00 PSI	0.00 HEIGHT	87.40
X/C, %	BP 2	BP 0	BP 12	BP 22
0.0 (UPPER)	-0.303	-0.352	0.117	0.537
2.5	0.155	-0.325	-0.327	-0.430
5.0	0.182	-0.033	-0.285	-0.482
10.0	0.097	-0.181	-0.299	-0.397
15.0	-0.053	-0.085	-0.508	-0.252
20.0	0.034	-0.211	-0.390	-0.043
25.0	-0.027	-0.190	-0.471	-0.145
30.0	-0.084	-0.341	-0.223	-0.158
35.0	0.120	-0.381	-0.335	-0.428
40.0	0.032	-0.420	-0.492	-0.760
45.0	-0.538	-0.778	-0.175	-1.178
50.0	-0.500	-0.190	-0.589	-0.089
55.0	-0.265	-0.382	-0.382	-0.532
60.0	0.275	-3.025	-0.852	-0.422
65.0	0.724	-1.072	-0.652	-0.777
70.0	-0.405	-0.562	-3.013	-0.397
75.0	-0.575	-0.384	-0.444	-0.033
80.0	-0.718	-0.758	-0.719	-1.590
85.0	-0.502	-0.581	-0.877	-0.781
90.0	-0.521	-0.741	-0.538	-0.137
95.0	-0.540	-0.642	-0.642	-0.608
100.0	-0.540	-0.614	-0.718	-0.718
2.5 (LOWER)	-0.410	-0.525	-0.104	0.168
5.0	-0.283	-0.420	-0.283	-0.021
10.0	-0.481	-0.515	-0.070	-0.158
15.0	-0.127	-0.200	-0.043	-0.092
20.0	-0.370	-0.117	0.083	0.121
25.0	-0.131	0.140	0.195	0.077
30.0	0.251	0.432	0.588	0.126
35.0	0.351	0.322	0.744	0.184
40.0	-0.282	0.185	-0.812	-0.757
45.0	-0.017	0.185	0.228	-0.321

MM 378 POINT 3 ALPHA -0.02 PSI 0.00 HEIGHT 65.71

X/C, %	BP 2	BP 0	BP 12	BP 22
0.0 (UPPER)	-0.274	-0.320	0.130	0.560
2.5	0.180	-0.060	-0.332	-0.455
5.0	0.151	-0.080	-0.275	-0.480
10.0	0.100	-0.207	-0.282	-0.384
15.0	-0.080	-0.054	-0.480	-0.253
20.0	0.050	-0.188	-0.286	-0.300
25.0	-0.032	-0.182	-0.281	-0.188
30.0	-0.078	-0.344	-0.223	-0.171
35.0	-0.040	-0.350	-0.325	-0.180
40.0	0.132	-0.429	-0.404	-0.855
45.0	-0.521	-0.777	-0.754	-0.883
50.0	-0.230	-0.245	-0.821	-0.893
55.0	-0.284	-3.705	-0.324	-0.605
60.0	0.745	-1.007	-0.829	-0.384
65.0	-0.480	0.571	-0.123	-0.474
70.0	-0.586	-0.444	-0.188	-0.160
75.0	-0.772	-0.803	-0.718	-1.608
80.0	-0.580	-0.580	-0.490	-0.188
85.0	-0.524	-0.750	-0.573	-0.887
90.0	-0.553	-0.815	-0.534	-0.888
95.0	-0.408	-0.532	-0.180	-0.712
100.0	-0.210	-0.415	-0.294	-0.105
2.5 (LOWER)	-0.478	-0.506	-0.080	0.137
5.0	-0.118	-0.252	-0.030	0.043
10.0	-0.342	-0.128	0.001	0.103
15.0	-0.124	0.140	0.182	0.177
20.0	0.375	0.411	0.574	0.140
25.0	0.305	0.166	-0.732	-0.810
30.0	-0.011	0.178	0.230	-0.321

MM 378 POINT 2 ALPHA 0.01 PSI 0.00 HEIGHT 18.27

X/C, %	BP 2	BP 0	BP 12	BP 22
0.0 (UPPER)	-1.372	-1.093	-1.403	-1.854
2.5	0.582	0.173	-0.290	-1.831
5.0	0.871	-0.000	-0.214	-2.045
10.0	0.547	-0.375	-0.864	-1.118
15.0	0.210	-0.121	-0.781	-1.853
20.0	0.254	-0.281	-0.813	-1.480
25.0	0.001	-0.395	-1.014	-1.007
30.0	-1.882	-1.004	-1.944	-3.985
35.0	0.162	-1.858	-1.818	-2.214
40.0	0.283	-5.002	-0.088	-7.806
45.0	-181.003	-187.787	-150.812	-111.833
50.0	-15.381	-15.326	-17.572	-48.852
55.0	-2.821	-8.180	-8.118	-11.300
60.0	8.225	3.945	8.118	-8.249
65.0	-11.288	-5.183	-15.128	-4.950
70.0	2.488	-7.788	-2.438	-4.041
75.0	-1.782	-3.205	-8.322	-8.009
80.0	-1.571	-1.175	-0.082	-0.014
85.0	-2.380	-2.227	-1.171	-1.430
90.0	-0.140	-1.150	-1.240	-0.343
95.0	-0.881	-1.070	-1.108	-0.511
100.0	-0.858	-1.378	-1.228	-0.821
2.5 (LOWER)	-1.513	-1.320	-0.778	-0.784
5.0	-0.748	-1.200	-0.753	-0.981
10.0	-1.275	-1.042	-0.717	-0.288
15.0	-1.037	-0.831	-0.773	-0.327
20.0	-0.107	-0.117	-0.487	-1.248
25.0	-1.103	-4.303	-0.310	-1.408
30.0	0.885	0.624	0.604	-0.420

WING PRESSURE COEFFICIENTS

WING 300 POINT 3 ALPHA	0.00 PSI	0.00 HEIGHT	32.73						
L/C	BP 2	BP 6	BP 12	BP 16	BP 20				
0.0 SUPPLEMENT	-1.529	-1.291	-1.000	-1.320	0.320				
2.5	0.328	-0.327	0.000	-0.877	-1.023				
5.0	0.447	-0.320	-0.123	-1.210	-1.744				
10.0	0.405	-0.340	-0.300	-0.800	-0.000				
15.0	-0.001	-0.320	-1.000	-0.877	-1.023				
20.0	-0.101	-0.320	-1.000	-0.877	-1.023				
25.0	-0.110	-0.320	-1.000	-0.877	-1.023				
30.0	-0.200	-0.320	-1.000	-0.877	-1.023				
35.0	-0.225	-0.320	-1.000	-0.877	-1.023				
40.0	-0.235	-0.320	-1.000	-0.877	-1.023				
45.0	-0.235	-0.320	-1.000	-0.877	-1.023				
50.0	-0.235	-0.320	-1.000	-0.877	-1.023				
55.0	-0.235	-0.320	-1.000	-0.877	-1.023				
60.0	-0.235	-0.320	-1.000	-0.877	-1.023				
65.0	-0.235	-0.320	-1.000	-0.877	-1.023				
70.0	-0.235	-0.320	-1.000	-0.877	-1.023				
75.0	-0.235	-0.320	-1.000	-0.877	-1.023				
80.0	-0.235	-0.320	-1.000	-0.877	-1.023				
85.0	-0.235	-0.320	-1.000	-0.877	-1.023				
90.0	-0.235	-0.320	-1.000	-0.877	-1.023				
95.0	-0.235	-0.320	-1.000	-0.877	-1.023				
100.0	-0.235	-0.320	-1.000	-0.877	-1.023				

WING 300 POINT 3 ALPHA	0.00 PSI	0.00 HEIGHT	32.73						
L/C	BP 2	BP 6	BP 12	BP 16	BP 20				
0.0 SUPPLEMENT	-2.033	-2.270	-1.560	0.000	0.400				
2.5	0.290	-0.311	-0.173	-0.560	-0.000				
5.0	0.457	-0.000	-0.212	-1.000	-1.573				
10.0	0.441	-0.354	-0.067	-0.730	-0.517				
15.0	-0.000	-0.000	-1.227	-0.710	-1.500				
20.0	-0.272	-0.207	-1.071	-0.200	-1.010				
25.0	-0.120	-0.500	-1.200	-0.000	-1.100				
30.0	-0.000	-1.277	-1.200	-0.400	-2.027				
35.0	-0.052	-2.000	-2.123	-2.500	-2.700				
40.0	-0.215	-2.000	-2.123	-2.500	-2.700				
45.0	-0.215	-2.000	-2.123	-2.500	-2.700				
50.0	-0.215	-2.000	-2.123	-2.500	-2.700				
55.0	-0.215	-2.000	-2.123	-2.500	-2.700				
60.0	-0.215	-2.000	-2.123	-2.500	-2.700				
65.0	-0.215	-2.000	-2.123	-2.500	-2.700				
70.0	-0.215	-2.000	-2.123	-2.500	-2.700				
75.0	-0.215	-2.000	-2.123	-2.500	-2.700				
80.0	-0.215	-2.000	-2.123	-2.500	-2.700				
85.0	-0.215	-2.000	-2.123	-2.500	-2.700				
90.0	-0.215	-2.000	-2.123	-2.500	-2.700				
95.0	-0.215	-2.000	-2.123	-2.500	-2.700				
100.0	-0.215	-2.000	-2.123	-2.500	-2.700				

WING PRESSURE COEFFICIENTS

WING 300 POINT 4 ALPHA	-0.01 PSI	0.00 HEIGHT	37.10						
L/C	BP 2	BP 6	BP 12	BP 16	BP 20				
0.0 SUPPLEMENT	-2.074	-2.310	-1.377	0.832	0.370				
2.5	0.290	-0.290	-0.207	-0.812	-0.870				
5.0	0.477	-0.014	-0.226	-1.100	-1.500				
10.0	0.430	-0.260	-0.540	-0.810	-0.800				
15.0	0.072	-0.047	-1.372	-0.777	-1.757				
20.0	-0.220	-0.400	-1.110	-0.310	-1.100				
25.0	-0.100	-0.600	-1.265	-0.001	-1.100				
30.0	-0.200	-0.700	-1.450	-0.837	-1.110				
35.0	-0.200	-0.700	-1.450	-0.837	-1.110				
40.0	-0.200	-0.700	-1.450	-0.837	-1.110				
45.0	-0.200	-0.700	-1.450	-0.837	-1.110				
50.0	-0.200	-0.700	-1.450	-0.837	-1.110				
55.0	-0.200	-0.700	-1.450	-0.837	-1.110				
60.0	-0.200	-0.700	-1.450	-0.837	-1.110				
65.0	-0.200	-0.700	-1.450	-0.837	-1.110				
70.0	-0.200	-0.700	-1.450	-0.837	-1.110				
75.0	-0.200	-0.700	-1.450	-0.837	-1.110				
80.0	-0.200	-0.700	-1.450	-0.837	-1.110				
85.0	-0.200	-0.700	-1.450	-0.837	-1.110				
90.0	-0.200	-0.700	-1.450	-0.837	-1.110				
95.0	-0.200	-0.700	-1.450	-0.837	-1.110				
100.0	-0.200	-0.700	-1.450	-0.837	-1.110				

WING 300 POINT 4 ALPHA	-0.01 PSI	0.00 HEIGHT	37.10						
L/C	BP 2	BP 6	BP 12	BP 16	BP 20				
0.0 SUPPLEMENT	-2.074	-2.310	-1.377	0.832	0.370				
2.5	0.290	-0.290	-0.207	-0.812	-0.870				
5.0	0.477	-0.014	-0.226	-1.100	-1.500				
10.0	0.430	-0.260	-0.540	-0.810	-0.800				
15.0	0.072	-0.047	-1.372	-0.777	-1.757				
20.0	-0.220	-0.400	-1.110	-0.310	-1.100				
25.0	-0.100	-0.600	-1.265	-0.001	-1.100				
30.0	-0.200	-0.700	-1.450	-0.837	-1.110				
35.0	-0.200	-0.700	-1.450	-0.837	-1.110				
40.0	-0.200	-0.700	-1.450	-0.837	-1.110				
45.0	-0.200	-0.700	-1.450	-0.837	-1.110				
50.0	-0.200	-0.700	-1.450	-0.837	-1.110				
55.0	-0.200	-0.700	-1.450	-0.837	-1.110				
60.0	-0.200	-0.700	-1.450	-0.837	-1.110				
65.0	-0.200	-0.700	-1.450	-0.837	-1.110				
70.0	-0.200	-0.700	-1.450	-0.837	-1.110				
75.0	-0.200	-0.700	-1.450	-0.837	-1.110				
80.0	-0.200	-0.700	-1.450	-0.837	-1.110				
85.0	-0.200	-0.700	-1.450	-0.837	-1.110				
90.0	-0.200	-0.700	-1.450	-0.837	-1.110				
95.0	-0.200	-0.700	-1.450	-0.837	-1.110				
100.0	-0.200	-0.700	-1.450	-0.837	-1.110				

APPENDIX C

TABULATED FLOW FIELD DATA

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, PER 101									
PI	ALPHA DETA MECH	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17	VT8 ALP8 DE18
1	-4.51 0.00 02.46	3.24 -1.28 -1.23	5.00 -0.34 1.27	5.10 4.00 2.70	5.22 2.00 1.30	5.43 0.51 7.70	5.43 0.51 7.70	5.43 0.51 7.70	5.43 0.51 7.70
2	-2.40 0.00 00.83	3.27 -2.55 0.02	5.01 2.40 -0.63	5.10 2.00 1.07	5.21 1.10 1.00	5.43 0.51 0.30	5.43 0.51 0.30	5.43 0.51 0.30	5.43 0.51 0.30
3	-0.43 0.00 07.30	3.20 -3.72 4.44	5.70 -4.24 1.56	5.10 -0.72 0.04	5.22 -3.04 2.04	5.44 -1.13 5.00	5.44 -1.13 5.00	5.44 -1.13 5.00	5.44 -1.13 5.00
4	1.33 0.00 04.41	5.31 -7.31 3.52	5.77 -5.27 -2.30	5.20 -2.33 -0.00	5.20 -2.33 -0.00	5.40 -2.22 1.00	5.40 -2.22 1.00	5.40 -2.22 1.00	5.40 -2.22 1.00
5	2.50 0.00 03.73	5.25 -7.26 1.01	5.81 -6.53 -2.77	5.10 -1.07 -1.41	5.22 -3.00 -4.23	5.40 -3.00 -4.23	5.40 -3.00 -4.23	5.40 -3.00 -4.23	5.40 -3.00 -4.23
6	3.50 0.00 00.82	5.30 -6.44 1.00	5.82 -7.77 -2.00	5.03 -3.03 -2.22	5.23 -5.07 -4.50	5.43 -6.00 3.02	5.43 -6.00 3.02	5.43 -6.00 3.02	5.43 -6.00 3.02
7	7.51 0.00 05.06	5.40 -10.07 1.16	5.81 -8.40 3.16	4.70 -4.00 3.30	5.20 -6.30 5.00	5.43 -7.00 3.37	5.43 -7.00 3.37	5.43 -7.00 3.37	5.43 -7.00 3.37
8	8.34 0.00 00.30	5.24 -10.10 -0.70	5.04 -8.34 -2.40	4.07 -8.20 -3.04	5.20 -6.27 -4.23	5.43 -6.00 -1.17	5.43 -6.00 -1.17	5.43 -6.00 -1.17	5.43 -6.00 -1.17
9	11.40 0.00 07.46	5.22 -11.00 -0.51	5.00 -10.72 -2.77	4.01 -8.20 -5.17	5.23 -6.13 -4.74	5.43 -7.00 -1.00	5.43 -7.00 -1.00	5.43 -7.00 -1.00	5.43 -7.00 -1.00
10	13.40 0.00 03.74	5.22 -12.00 -0.70	5.00 -11.00 -3.04	4.02 -8.20 -5.23	5.20 -6.13 -5.20	5.43 -7.00 -2.50	5.43 -7.00 -2.50	5.43 -7.00 -2.50	5.43 -7.00 -2.50
11	15.47 0.00 05.82	5.22 -14.00 -2.14	5.47 -13.20 -5.53	4.73 -10.07 -5.00	5.34 -10.57 -6.00	5.70 -10.57 -6.00	5.70 -10.57 -6.00	5.70 -10.57 -6.00	5.70 -10.57 -6.00
12	17.40 0.00 05.74	5.12 -15.00 -3.75	5.00 -12.74 -7.00	5.10 -11.24 -7.70	5.31 -11.24 -7.70	5.70 -11.24 -7.70	5.70 -11.24 -7.70	5.70 -11.24 -7.70	5.70 -11.24 -7.70
13	19.40 0.00 03.04	4.83 -16.00 -4.00	4.81 -16.54 -11.02	5.23 -10.00 -9.12	5.33 -12.15 -9.00	5.70 -12.15 -9.00	5.70 -12.15 -9.00	5.70 -12.15 -9.00	5.70 -12.15 -9.00

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, PER 100									
PI	ALPHA DETA MECH	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17	VT8 ALP8 DE18
5	1.50 0.00 00.00	2.00 -0.72 -0.00	2.00 -0.72 -0.00	2.00 -0.72 -0.00	2.00 -0.72 -0.00	2.00 -0.72 -0.00	2.00 -0.72 -0.00	2.00 -0.72 -0.00	2.00 -0.72 -0.00
6	2.50 0.00 07.51	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
7	3.50 0.00 00.30	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
8	7.51 0.00 04.57	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
9	8.40 0.00 04.50	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
10	11.50 0.00 00.83	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
11	13.07 0.00 04.30	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
12	16.44 0.00 00.40	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
13	17.47 0.00 04.03	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
14	19.20 0.00 03.12	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
15	-0.40 0.00 00.00	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
16	-2.47 0.00 00.00	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07
17	-4.50 0.00 02.00	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07	2.00 -0.72 -1.07

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PAUL SUMMAY, 200 109

PT	ALLPMD DETAILED DESCRIPTION	V11 ALLP1 DET1	V12 ALLP2 DET2	V13 ALLP3 DET3	V14 ALLP4 DET4	V15 ALLP5 DET5	V16 ALLP6 DET6	V17 ALLP7 DET7
1	-4.40 0.00 02.00	2.24 -0.02 0.00	2.70 1.51 2.00	2.00 2.00 2.00	2.00 1.00 0.00	2.00 1.00 2.13	2.00 1.00 2.00	2.00 1.00 2.00
2	-2.40 0.00 00.00	2.27 -2.70 4.00	2.77 -0.70 0.70	2.07 0.04 1.70	2.00 -0.27 -0.04	2.00 0.17 2.30	2.07 0.70 2.13	0.10 0.24 1.00
3	-0.41 0.00 00.20	2.43 -0.04 0.00	2.00 -2.40 -0.01	2.00 -1.03 0.21	2.00 1.00 -0.03	2.00 2.00 1.00	2.00 2.00 1.00	0.10 0.10 1.23
4	1.37 00.00	2.20 -0.03 2.04	2.00 -2.01 -1.00	2.00 -0.70 -0.70	2.00 3.23 -1.70	2.00 2.00 1.00	2.00 2.00 1.00	0.10 -2.31 0.00
5	2.00 0.00 04.00	2.10 -0.04 0.00	2.04 -4.00 -2.00	2.00 -0.12 -1.22	2.00 -2.00 -2.00	2.00 2.00 2.00	2.00 2.00 2.00	0.10 -2.72 -0.10
6	3.04 0.00 00.00	2.20 -2.10 -0.11	2.00 -0.00 -2.23	2.00 -0.00 -1.00	2.00 -0.04 -2.10	2.00 0.00 -0.77	2.00 0.00 -0.77	0.10 -4.07 -0.24
7	2.00 0.00 00.00	2.42 -0.72 -0.20	2.00 -2.70 -2.20	2.12 -0.70 -2.32	2.00 1.10 -3.00	2.00 2.00 0.00	2.00 2.00 0.00	0.10 -4.30 -0.70
8	0.32 0.00 02.01	2.00 -0.74 -2.01	2.72 -0.37 -1.02	0.72 -10.01 -2.03	2.00 -0.70 -0.03	2.00 2.00 0.00	2.00 2.00 0.00	0.10 -0.00 -0.00
9	11.00 0.00 00.00	2.52 -1.21 -1.04	2.70 -10.00 -2.10	0.20 -11.00 -4.11	2.00 -0.70 -2.40	2.00 2.00 0.00	2.00 2.00 0.00	0.10 -0.70 -0.00
10	12.00 0.00 04.23	2.52 -12.40 -2.20	2.71 -11.10 -2.00	0.10 -0.00 -0.00	2.00 -10.43 -0.00	2.00 2.00 0.00	2.00 2.00 0.00	0.10 -0.00 -0.00
11	13.44 0.00 04.70	2.00 -12.57 -3.03	2.70 -10.00 -0.04	0.00 -10.43 -4.01	2.00 -11.10 -3.00	2.00 2.00 0.00	2.00 2.00 0.00	0.10 -0.00 -0.00
12	17.41 0.00 00.00	2.20 -14.43 -0.00	2.00 -10.00 -0.00	2.70 -10.00 -0.00	2.00 -11.00 -4.00	2.00 2.00 0.00	2.00 2.00 0.00	0.10 -0.00 -0.00
13	19.41 0.00 02.70	0.01 -10.00 -2.70	0.20 -10.43 -1.50	2.10 -10.43 -0.15	2.00 -11.00 -0.00	2.00 2.00 0.00	2.00 2.00 0.00	0.10 -0.00 -0.00

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BALTIMORE SUN

PI	ALPHA DELTA DELTA	W11 DELTA DELTA	W12 DELTA DELTA	W13 DELTA DELTA	W14 DELTA DELTA	W15 DELTA DELTA	W16 DELTA DELTA	W17 DELTA DELTA
1	-4.57 0.00 82.26	0.00 -5.82 2.87	12.02 -2.51 1.03	10.02 -2.25 4.00	31.50 -3.42 2.88	12.20 -10.02 4.32	7.20 1.78 3.21	7.34 1.01 2.00
2	-2.50 0.00 85.50	8.82 -10.12 2.33	11.20 -8.00 3.84	15.20 -4.70 3.14	20.50 -5.51 3.07	12.07 -11.07 3.50	7.20 0.02 2.12	7.32 0.66 1.01
3	-0.20 0.00 80.87	0.00 -1.11 0.05	11.20 -0.87 1.00	15.20 -7.02 1.05	20.48 -7.00 2.10	12.07 -13.77 3.01	7.20 -1.25 1.22	7.50 1.25 0.07
4	1.54 0.00 81.76	0.44 -10.10 -1.40	11.22 -10.48 -2.05	15.68 -8.78 0.73	30.44 -9.40 1.83	12.82 -15.90 2.24	7.34 -3.01 0.28	7.41 -2.00 0.25
5	3.55 0.00 83.05	0.15 -10.38 -5.45	11.50 -12.05 -2.87	15.91 -10.05 -0.30	30.20 -11.47 1.52	12.52 -17.51 1.72	7.27 -4.40 -0.49	7.21 -0.50 -0.50
6	5.17 0.00 84.47	0.22 -10.72 -7.08	11.72 -12.72 -3.17	15.85 -12.93 -1.15	20.11 -13.43 1.26	12.15 -10.60 1.10	7.28 -5.90 -1.00	7.20 -0.43 -1.15
7	7.50 0.00 85.50	0.37 -17.55 -7.27	12.10 -15.10 -3.80	16.20 -14.20 -1.60	30.12 -15.31 1.03	11.01 -20.25 0.76	7.22 -7.56 -1.77	7.22 -0.72 -1.74
8	0.33 0.00 84.94	0.40 -10.27 -7.21	12.40 -16.05 -3.84	16.63 -18.10 -2.13	30.14 -17.26 1.23	11.00 -20.74 0.18	7.10 -0.17 -2.07	0.82 -7.54 -2.25
9	11.50 0.00 85.00	0.71 -10.94 -8.00	12.50 -18.28 -4.00	16.86 -17.82 -2.57	20.34 -18.14 1.17	10.82 -21.58 -0.09	7.10 -10.40 -3.57	0.87 -0.70 -3.01
10	12.45 0.00 84.62	0.76 -20.06 -7.23	12.75 -18.61 -4.40	16.84 -18.08 -2.82	20.27 -20.82 0.00	10.40 -23.20 -0.88	7.10 -11.70 -3.16	0.77 -0.70 -3.60
11	15.42 0.00 83.40	0.80 -22.10 -7.78	12.87 -19.46 -5.11	17.02 -20.42 -3.09	20.85 -22.77 0.05	0.93 -12.82 -1.18	7.01 -10.70 -3.72	0.80 -0.70 -4.17
12	17.30 0.00 86.41	0.85 -24.21 -8.00	12.25 -23.18 -6.00	17.01 -21.08 -3.23	20.80 -24.50 0.77	0.98 -25.00 -1.93	0.82 -11.50 -4.16	0.94 -1.50 -4.82
13	18.43 0.00 82.20	10.05 -25.00 -10.23	12.23 -24.90 -6.47	17.23 -23.02 -3.49	20.61 -26.52 0.54	0.27 -28.07 3.20	0.81 -15.30 -4.43	0.91 -12.01 -5.04

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DATE SUBMITTED: 000 000

PT	ALPHA	W1	W2	W3	W4	W5	W6	W7
	DELTA	DELTA1	DELTA2	DELTA3	DELTA4	DELTA5	DELTA6	DELTA7
1	-4.52	7.07	8.47	12.00	20.20	12.00	5.23	3.10
	0.00	-6.25	-5.64	-2.84	-2.61	-1.78	4.16	4.16
	02.00	2.23	2.43	4.36	2.73	5.27	2.00	4.34
2	-2.43	0.70	0.11	12.44	20.07	12.00	5.20	3.10
	0.00	-11.48	-5.00	-4.00	-3.50	-1.17	2.71	2.00
	00.02	3.00	2.13	2.24	2.00	4.77	3.16	2.46
3	-0.44	0.00	0.10	12.47	20.31	12.57	5.24	5.04
	0.00	-15.70	-12.24	-8.00	-7.50	-10.23	0.00	1.52
	00.57	2.10	-0.20	2.20	2.23	2.74	2.00	2.40
4	1.00	7.42	0.10	12.00	20.25	12.20	5.27	0.01
	0.00	-17.01	-12.07	-8.02	-8.00	-17.71	-0.77	0.00
	00.22	0.40	-1.17	1.02	2.00	2.11	0.00	1.50
5	3.50	7.03	0.00	12.71	20.14	12.20	5.22	4.00
	0.00	-10.21	-14.00	-10.00	-11.57	-10.21	-2.00	-1.25
	05.01	-2.20	-3.00	0.23	1.77	2.07	0.00	0.71
6	5.52	7.41	0.27	12.00	20.22	12.20	5.20	4.04
	0.00	-10.02	-15.02	-10.00	-12.52	-21.23	-2.40	-2.50
	00.41	-0.00	-3.25	-0.07	1.21	2.24	-0.55	-0.20
7	7.50	7.27	0.24	12.00	20.20	12.11	5.25	4.04
	0.00	-20.00	-17.30	-14.27	-15.47	-23.04	-2.26	-2.00
	00.41	-10.27	-3.52	-0.71	1.10	2.25	-1.20	-1.20
8	0.30	7.20	0.22	12.04	20.00	12.50	5.16	4.70
	0.00	-2.11	-10.10	-10.57	-17.47	-25.00	-0.01	-0.72
	00.07	-12.20	-4.00	-0.07	1.11	1.00	-1.75	-1.20
11	11.40	7.22	0.70	14.20	20.21	12.02	5.07	4.07
	0.00	-21.20	-10.03	-10.24	-10.22	-26.72	-7.23	-7.72
	05.00	-11.24	-2.01	-1.22	1.20	1.07	-2.24	-2.25
12	12.52	7.20	0.37	14.10	20.27	11.70	5.05	4.02
	0.00	-22.70	-22.44	-10.00	-21.20	-20.00	-0.24	-0.00
	00.20	-11.00	-4.24	-1.00	1.01	1.50	-2.52	-2.04
15	15.00	7.20	0.01	14.54	20.27	11.20	5.02	4.52
	0.00	-25.20	-24.00	-21.00	-23.00	-20.51	-10.22	-7.00
	05.04	-11.07	-5.24	-2.20	1.00	1.44	-2.24	-3.04
17	17.00	7.20	0.00	14.50	20.10	10.00	4.02	4.02
	0.00	-20.00	-22.00	-22.70	-24.70	-21.40	-11.00	-8.50
	05.10	-12.27	-4.77	-2.01	0.00	0.50	-3.04	-3.04
18	18.27	7.20	0.01	14.72	20.07	10.00	4.04	4.20
	0.00	-27.00	-27.10	-24.20	-26.00	-22.50	-12.02	-0.00
	02.01	-12.24	-5.00	-2.00	0.77	-0.12	-4.02	-4.20

07314 NO 1 0810 241870004

DALE SUMMAY, 2001

DT	ALPHA	V11	V12	V13	V14	V15	V16	V17
	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
19	-2.42	154.79	155.00	154.00	153.00	153.00	154.20	157.00
	0.00	-2.16	-1.27	-1.17	-1.04	-0.30	-0.23	0.00
	87.16	2.83	2.06	2.23	2.34	2.87	2.16	2.91
20	0.00	152.20	154.20	154.20	153.40	154.30	155.00	154.00
	0.00	-4.46	-2.14	-2.93	-2.76	-1.04	-1.01	-1.50
	84.00	2.00	1.00	1.07	1.77	2.20	2.41	2.18
21	2.00	152.60	157.70	157.10	156.00	154.00	153.00	153.00
	0.00	-0.42	-4.32	-4.37	-4.39	-2.28	-2.81	-2.00
	86.00	1.00	-0.24	0.00	0.04	1.27	1.01	1.50
22	4.02	148.10	156.00	157.20	158.10	154.00	153.40	152.20
	0.00	-7.12	-5.58	-5.29	-5.70	-4.87	-3.93	-3.00
	85.00	-0.13	-0.04	-0.04	0.04	0.74	0.90	0.60
23	5.00	154.20	157.20	155.10	153.20	154.20	154.40	152.20
	0.00	7.40	-6.82	-0.14	-7.10	-5.77	-5.10	-5.70
	85.37	-1.58	-1.25	-0.58	-0.20	0.20	0.22	0.14
24	6.02	153.10	157.50	152.00	153.40	154.10	154.20	153.20
	0.00	-0.20	-0.25	-0.10	-0.00	-0.21	-0.21	-0.41
	85.00	-2.11	-1.40	-1.18	-0.01	-0.41	-0.21	-0.00
25	10.00	154.00	158.00	165.00	158.20	154.00	153.10	160.20
	0.00	-10.23	-9.93	-12.03	-8.95	-8.52	-7.54	-7.40
	85.47	-1.78	-1.22	-1.73	-1.54	-1.06	-0.80	-0.82
26	11.00	155.00	156.00	158.10	154.20	154.00	153.20	160.20
	0.00	-11.73	-11.22	-13.38	-10.78	-8.42	-8.59	-8.42
	85.34	-1.75	-1.52	-2.05	-2.12	-1.00	-1.18	-1.07
27	14.01	155.50	156.70	158.00	154.00	154.00	153.00	160.00
	0.00	-13.20	-12.67	-14.73	-11.60	-10.25	-8.38	-8.37
	86.17	-1.82	-1.04	-0.25	-2.00	-2.20	-1.72	-1.50
28	15.00	156.20	157.00	158.00	156.50	155.10	153.20	158.00
	0.00	-14.20	-13.72	-14.82	-12.01	-1.13	-10.00	-10.22
	85.00	-3.00	-2.58	-4.70	-3.12	-2.07	-2.17	-1.05
29	17.00	154.00	161.00	163.70	158.70	155.00	153.10	158.00
	0.00	-10.23	-12.01	-12.31	-13.21	-11.05	-10.04	-11.14
	86.28	-5.01	-5.70	-6.27	-4.05	-3.81	-2.87	-2.30
30	20.01	148.10	154.70	160.20	158.00	154.30	154.30	154.00
	0.00	-10.70	-10.18	-14.28	-14.33	-12.83	-11.00	-11.00
	86.23	-7.21	-8.34	-6.00	-4.05	-4.14	-3.20	-2.78
31	21.07	137.50	132.20	167.20	153.00	152.50	152.00	157.50
	0.00	-10.68	-18.88	-15.73	-15.37	-13.75	-12.40	-12.68
	85.75	-10.37	-12.04	-8.00	-5.40	-4.05	-4.01	-3.40

PROPELLSIVE MINE FLOW FIELD

NAME SUMMARY, RUN 107

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
	DE11	DE12	DE13	DE14	DE15	DE16	DE17	DE18
2	-0.01	105.00	127.00	107.00	200.00	150.00	00.00	04.42
	0.00	-12.00	-10.00	-7.52	-5.04	-14.20	-3.40	-1.00
	00.23	1.01	0.10	2.01	2.40	3.40	2.20	1.00
4	4.02	112.00	127.10	100.10	302.40	150.00	00.00	04.42
	0.00	-10.54	-13.00	-11.00	-12.01	-17.00	-5.20	-4.32
	07.43	-0.75	-2.51	0.75	1.00	1.07	0.07	0.04
6	0.00	111.00	100.00	101.00	302.00	142.00	00.00	02.35
	00.04	-10.54	-10.31	-15.44	-15.01	-20.75	-0.20	-0.04
	05.04	-0.03	-3.11	-1.23	1.21	1.11	-0.02	-1.20
8	11.00	114.00	100.30	301.30	302.10	132.00	00.10	01.42
	0.00	-20.12	-10.20	-10.20	-10.07	-23.40	-11.10	-0.14
	00.14	-2.10	-3.01	-1.07	1.11	0.30	-2.00	-2.01
12	21.00	122.70	150.20	212.10	342.30	111.50	02.21	70.71
	0.00	-20.00	-27.50	-25.07	-20.00	-20.02	-17.20	-10.24
	07.13	-10.04	-0.42	-7.75	0.50	-2.00	-4.34	-5.20

PROPELLSIVE MINE FLOW FIELD

NAME SUMMARY, RUN 100

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
	DE11	DE12	DE13	DE14	DE15	DE16	DE17	DE18
1	-1.00	144.10	102.50	221.00	200.00	140.10	120.00	124.10
	0.00	-0.20	-5.37	-0.53	-0.10	-0.44	-2.00	-1.03
	01.00	2.01	1.00	3.10	2.03	2.00	2.14	2.21
2	0.00	140.70	100.00	220.00	302.00	140.00	120.00	124.00
	00.00	-11.20	-7.00	-0.00	-0.31	-3.07	-3.00	-3.00
	00.00	1.31	0.30	2.10	2.00	2.20	1.20	1.41
3	1.00	140.10	102.50	221.00	200.00	140.10	120.00	124.10
	0.00	-15.00	-0.07	-0.00	-10.00	-0.00	-0.01	-0.37
	07.14	-1.00	-1.20	0.00	2.07	1.43	0.41	0.37
4	4.02	140.00	107.00	223.00	300.20	142.00	120.20	122.00
	0.00	-10.27	-11.31	-11.03	-11.00	-11.23	-0.43	-0.02
	00.21	-3.00	-2.01	-0.03	1.00	0.40	-0.51	-0.10
5	0.00	140.00	102.00	220.00	302.00	142.00	120.00	122.00
	00.72	-1.75	-2.34	-0.03	1.27	-0.10	-1.10	-0.71
6	7.00	150.00	100.00	200.00	370.00	120.00	124.70	121.50
	00.04	-3.71	-0.04	-1.30	1.23	-1.24	-1.00	-1.23
7	10.00	150.00	202.00	220.00	373.70	120.70	124.40	120.20
	0.00	-10.70	-10.11	-10.37	-10.37	-10.37	-10.34	-0.03
	00.04	-0.27	-3.37	-1.77	1.00	-1.00	-2.50	-1.00
8	11.00	100.20	200.20	200.00	300.50	120.00	122.00	120.50
	0.00	-10.00	-17.00	-10.01	-10.34	-10.00	-11.75	-10.00
	00.00	-0.40	-0.00	-1.77	1.00	-2.07	-3.03	-2.30
9	14.00	100.00	207.00	242.70	304.00	121.40	122.50	120.00
	0.00	-10.70	-10.37	-17.00	-21.00	-17.42	-12.00	-12.10
	07.10	-5.10	-0.27	-2.00	0.70	-3.70	-3.01	-2.00
10	16.00	172.40	300.50	342.00	320.00	127.00	122.70	127.00
	0.00	-21.27	-20.70	-10.02	-22.04	-10.03	-12.00	-12.21
	07.37	-0.04	-0.00	-2.20	0.53	-0.43	-0.14	-3.30
11	10.02	170.20	302.20	347.10	320.00	120.20	122.20	127.00
	0.00	-22.01	-22.55	-10.01	-24.50	-10.02	-10.07	-10.20
	07.52	-0.10	-5.37	-2.02	0.23	-5.10	-4.00	-3.71
12	10.00	170.00	300.00	340.20	320.00	124.00	121.00	120.20
	0.00	-24.00	-24.20	-21.15	-20.10	-10.00	-10.04	-10.20
	00.00	-0.52	-5.00	-3.04	-0.31	-0.00	-0.01	-0.00
13	21.00	174.70	300.10	200.00	310.00	123.00	121.00	120.00
	0.00	-20.40	-20.02	-27.70	-27.70	-20.00	-17.17	-10.44
	00.00	-0.00	-0.20	-3.10	-0.52	-0.20	-0.30	-0.31

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PROPELLSIVE MINE FLOW FIELD

RANK SUMMARY, RUN 111

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT
2	0.00	127.00	123.00	176.70	362.50	142.00	0.00	0.00
	0.00	-7.52	-8.50	-2.04	-7.00	-7.07	54.10	-72.70
	94.45	5.11	2.00	4.74	3.53	2.74	05.10	07.40
4	0.00	127.00	124.50	162.70	362.50	126.50	0.00	0.00
	0.00	-16.20	-8.79	-5.47	-11.00	-8.84	51.22	-77.20
	85.41	5.07	3.47	5.10	3.27	0.57	06.50	06.00
6	0.01	126.00	125.00	210.20	342.20	120.20	0.00	0.00
	0.00	-13.23	-12.53	-5.50	-15.05	-11.10	44.00	-60.04
	85.80	5.31	3.00	5.00	2.00	-1.01	71.00	04.22
8	12.00	120.00	127.20	220.20	220.20	127.10	0.00	0.00
	0.00	-16.20	-16.21	-11.04	-16.10	-12.40	36.00	-60.00
	86.21	5.20	2.40	4.27	1.77	-2.00	74.20	02.53
12	22.00	123.00	124.00	201.10	200.70	122.40	0.00	0.00
	0.00	-22.20	-22.40	-20.03	-27.50	-10.71	8.20	-05.53
	86.51	-5.00	-10.21	-2.13	-6.04	-0.03	70.00	57.00

PROPELLSIVE MINE FLOW FIELD

RANK SUMMARY, RUN 112

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT
2	0.00	00.14	00.40	120.00	320.00	152.00	0.00	0.00
	0.00	-12.00	-7.04	-1.00	-7.44	-12.42	07.42	-72.00
	81.00	7.20	1.00	4.70	3.23	3.00	04.24	74.10
4	0.01	00.20	00.00	150.10	320.20	150.20	0.00	0.00
	0.00	-15.21	-11.20	-5.41	-11.41	-15.40	02.12	-72.00
	83.07	6.01	2.01	5.01	3.23	2.50	07.24	72.44
6	0.02	01.23	00.20	101.00	210.00	127.00	0.00	0.00
	0.00	-17.70	-14.53	-8.07	-15.37	-18.42	54.42	-81.42
	84.08	8.00	2.07	4.00	3.11	0.03	00.00	72.70
8	12.02	01.10	100.10	127.00	322.20	110.40	0.00	0.00
	0.00	-20.12	-17.01	-12.12	-10.21	-20.14	00.20	-00.20
	83.13	7.10	1.20	2.07	2.02	-1.12	72.40	71.00
12	22.07	00.00	103.70	210.00	207.00	07.11	0.00	0.00
	0.00	-24.20	-22.03	-21.00	-20.57	-24.53	21.04	-05.01
	84.37	-1.51	-0.10	-1.20	1.04	-5.07	70.22	00.70

PROGRESSIVE MINE FLOW FIELD

DATE SUMMARY, RUN 112

PI	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	DETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DETERM	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	0.07	08.71	72.22	108.00	214.00	187.00	.....	.....
	0.00	-17.34	-8.94	-1.18	-7.53	-18.18	79.22	-74.81
	87.21	11.57	6.05	4.54	2.76	4.08	16.73	77.05
4	4.08	08.28	72.00	124.00	217.00	164.00	.....	.....
	0.00	-28.45	-12.00	-4.83	-11.51	-16.16	76.30	-77.84
	05.61	12.00	1.39	0.19	3.32	3.42	82.60	77.40
6	5.61	07.02	72.00	122.00	216.00	161.00	.....	.....
	0.00	-22.29	-15.99	-5.43	-15.49	-22.15	80.52	-81.20
	05.52	12.24	1.50	0.23	3.16	3.02	84.89	77.21
8	12.61	07.08	72.20	122.00	221.00	143.10	.....	.....
	0.00	-26.24	-18.48	-12.16	-19.26	-26.37	81.15	-85.20
	01.75	12.11	0.48	4.53	2.88	2.25	88.20	78.84
10	22.00	08.01	72.00	122.00	216.00	112.20	.....	.....
	0.00	-30.81	-25.82	-21.82	-28.90	-32.22	85.18	-89.48
	05.43	5.50	-8.15	-0.55	1.71	-0.57	71.25	78.48

PROGRESSIVE MINE FLOW FIELD

DATE SUMMARY, RUN 114

PI	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	DETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DETERM	DE11	DE12	DE13	DE14	DE15	DE16	DE17
18	-0.02	151.00	154.20	155.00	155.20	154.20	155.00	153.00
	5.00	-2.94	-1.50	-2.28	-2.84	-2.18	-2.18	-2.00
	05.15	7.00	8.22	7.50	5.40	6.70	6.70	6.17
18	4.01	152.00	154.00	154.00	155.20	154.50	155.70	155.10
	5.00	-5.20	-5.00	-6.22	-5.76	-4.95	-4.17	-3.77
	04.24	8.50	7.83	8.00	4.24	4.83	5.41	5.20
20	8.02	152.00	157.10	154.10	154.00	151.70	155.00	153.00
	5.00	-8.00	-8.50	-8.78	-8.83	-8.83	-8.83	-8.50
	04.18	8.33	8.50	7.95	2.25	3.11	3.77	3.00
22	12.00	152.00	157.00	152.70	154.00	152.70	154.20	153.20
	5.00	-11.10	-11.47	-8.53	-10.02	-8.54	-7.72	-7.25
	02.83	8.00	8.00	-6.24	0.45	1.20	2.20	2.55
27	22.00	156.20	151.20	152.00	154.00	156.00	156.20	157.20
	5.00	-21.41	-15.53	-12.53	-11.00	-10.07	-8.87	-8.18
	05.11	-18.20	-17.00	-8.00	-4.25	-2.27	-0.51	-0.00

PROGRESSIVE MINE FLOW FIELD

BASE SUMMARY, SUM 116

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
3	0.00	125.00	125.00	174.00	200.20	147.10	150.00	150.70
	0.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
	0.00	0.70	7.70	7.70	4.00	7.70	7.70	0.70
4	0.01	125.10	125.10	181.10	205.00	137.00	175.10	150.00
	0.00	-10.22	-10.22	-10.22	-11.51	-10.41	-10.22	-10.41
	0.00	0.00	0.00	7.00	4.00	0.00	0.00	0.00
5	0.02	125.20	125.20	200.00	244.00	120.00	124.00	120.00
	0.00	-12.04	-12.04	-12.04	-15.00	-11.00	-12.04	-12.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.02	127.00	127.00	220.00	220.00	120.00	127.00	127.00
	0.00	-10.50	-10.50	-10.50	-10.12	-10.00	-10.50	-10.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	125.00	125.00	140.00	240.00	120.00	121.00	125.00
	0.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRESSIVE MINE FLOW FIELD

BASE SUMMARY, SUM 116

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
3	0.04	00.34	01.00	120.00	234.00	153.00	07.04	02.00
	0.00	-10.70	-0.00	-2.77	-7.43	-13.15	-3.47	-2.00
	0.00	10.52	7.70	7.70	4.00	7.70	7.70	0.70
4	0.00	00.40	02.42	160.20	234.10	142.00	00.00	04.20
	0.00	-12.01	-12.34	-5.57	-11.47	-10.50	-5.75	-5.00
	0.00	11.00	7.01	7.00	4.00	0.17	0.00	0.20
5	0.02	00.02	02.00	101.00	232.00	126.00	00.00	02.70
	0.00	-17.07	-15.75	-9.34	-15.22	-10.41	-8.50	-8.00
	0.00	11.00	7.02	7.00	4.22	0.42	0.75	0.00
6	0.04	02.00	04.00	175.00	294.00	110.70	04.01	03.11
	0.00	-20.01	-10.00	-12.00	-10.22	-10.07	-10.75	-10.00
	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	00.01	00.70	200.20	240.00	02.03	00.00	00.02
	0.00	-20.00	-27.00	-20.00	-20.22	-23.12	-10.20	-10.27
	0.00	1.00	-2.31	2.00	2.54	-1.51	-1.74	-0.00

PROBULSIVE MING FLOW FIELD

RANK SUMMARY, RUN 117

PI	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEI	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	0.00	62.00	87.00	117.00	312.00	100.00	00.00	71.00
	0.00	-14.76	-15.05	-1.00	-7.54	-15.10	-2.17	-2.38
	03.53	14.00	7.30	7.13	4.10	7.00	8.35	4.76
4	4.00	04.03	07.01	123.20	315.50	104.00	00.34	71.07
	0.00	-16.01	-15.79	-5.00	-11.55	-18.18	-5.01	-5.42
	00.00	14.00	8.18	7.00	4.27	8.00	4.26	3.90
8	0.04	00.00	00.07	121.00	314.00	102.50	00.00	70.01
	0.00	-21.23	-18.47	-8.24	-15.24	-22.43	-7.54	-8.07
	00.00	15.04	8.20	7.37	4.13	8.34	2.23	1.05
8	12.03	00.07	00.10	120.00	312.00	102.00	00.03	00.00
	0.00	-20.14	-21.09	-12.11	-15.20	-20.00	-10.24	-11.05
	00.20	12.00	0.00	0.51	3.00	4.12	0.00	0.51
12	22.00	00.54	72.00	102.00	200.00	104.00	04.30	07.03
	0.00	-24.00	-28.04	-21.47	-28.00	-32.15	-15.07	-10.30
	00.41	4.11	-3.01	2.00	3.04	1.00	-3.32	-1.44

PROBULSIVE MING FLOW FIELD

RANK SUMMARY, RUN 118

PI	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEI	DE11	DE12	DE13	DE14	DE15	DE16	DE17
20	-0.01	100.00	103.00	102.70	103.10	102.50	103.00	102.00
	0.00	-3.05	-2.72	-2.27	-2.10	-2.05	-1.05	-1.21
	05.01	3.23	3.10	4.05	1.00	2.15	2.03	2.40
31	4.00	100.70	104.00	102.00	103.00	102.70	103.40	100.00
	0.00	-5.07	-5.75	-8.05	-5.02	-4.52	-3.01	-3.53
	04.27	4.26	4.10	5.10	0.20	0.50	1.10	0.00
33	0.00	100.00	100.20	100.30	103.40	102.40	103.00	102.20
	0.00	-8.10	-8.00	-10.00	-8.45	-7.13	-0.00	-5.77
	04.30	4.03	4.02	2.70	-1.50	-1.10	-0.31	-0.31
35	12.00	101.00	100.70	100.00	104.00	102.70	102.00	103.10
	0.00	-11.42	-11.02	-10.01	-10.10	-8.01	-7.00	-7.35
	04.17	4.77	4.40	-5.03	-3.55	-2.70	-1.50	-1.01
40	22.02	100.00	102.00	102.10	100.10	100.70	100.00	100.10
	0.00	-24.02	-20.70	-15.23	-12.70	-10.22	-8.44	-8.00
	00.10	-31.20	-24.34	-14.00	-10.52	-8.37	-8.43	-8.11

PROPULSIVE MING FLOW FIELD

NAKE SUMMARY, RUN 110

PT	ALPHA	BETA	NETUMT	VT1	VT2	VT3	VT4	VT5	VT6	VT7
				ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
				BET1	BET2	BET3	BET4	BET5	BET6	BET7
3	-0.02	0.00	87.88	151.40	154.40	154.90	154.20	153.20	154.70	150.00
				-2.23	-2.98	-2.77	-2.73	-2.16	-1.01	-1.00
				2.41	2.01	2.75	1.53	1.00	2.22	2.17
8	3.90	0.00	88.00	152.20	155.00	154.10	154.00	153.70	154.50	155.10
				-3.75	-3.82	-6.64	-5.48	-4.51	-3.83	-3.80
				4.38	4.04	4.95	-6.18	0.82	1.00	0.81
10	8.02	0.00	88.01	153.50	157.00	153.50	155.40	154.00	154.50	158.10
				-0.14	-6.52	-10.28	-8.12	-7.16	-8.12	-8.02
				0.33	4.37	2.51	-1.01	-1.13	-0.41	-0.41
12	11.00	0.00	87.33	154.20	158.40	152.30	155.40	154.20	154.80	158.10
				-11.18	-11.83	-10.60	-10.00	-8.86	-7.80	-7.65
				4.57	4.28	-4.01	-3.83	-2.78	-1.87	-1.55
17	21.98	0.00	87.80	168.30	151.50	154.40	161.80	160.80	160.40	161.00
				-23.16	-18.92	-14.87	-12.23	-10.01	-8.32	-8.02
				-30.80	-23.88	-13.87	-10.48	-8.32	-6.53	-8.10

PROPULSIVE MING FLOW FIELD

NAKE SUMMARY, RUN 120

PT	ALPHA	BETA	NETUMT	VT1	VT2	VT3	VT4	VT5	VT6	VT7
				ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
				BET1	BET2	BET3	BET4	BET5	BET6	BET7
2	-0.01	0.00	88.05	128.30	128.00	175.00	380.20	140.80	128.00	128.00
				-7.07	-7.00	-3.14	-7.88	-7.35	-3.48	-3.02
				3.00	3.34	4.94	3.85	2.87	2.93	2.00
4	3.90	0.00	88.00	128.80	128.40	180.80	351.40	135.80	128.10	128.00
				-8.97	-10.21	-8.02	-11.71	-8.81	-5.84	-5.28
				4.78	4.05	5.10	2.37	0.70	0.40	0.38
8	8.03	0.00	87.24	137.00	130.00	208.50	340.30	128.50	125.40	127.30
				-12.81	-13.32	-8.14	-15.58	-11.65	-8.42	-7.87
				5.04	4.21	4.88	3.04	-1.29	-1.30	-0.88
8	11.08	0.00	85.75	128.80	121.00	228.80	310.80	125.80	124.20	128.00
				-15.77	-18.52	-12.27	-18.24	-13.53	-10.72	-8.78
				4.01	3.11	4.23	2.25	-3.30	-2.78	-2.34
13	22.00	0.00	88.18	133.20	123.00	278.80	282.00	120.80	121.80	122.30
				-21.83	-23.88	-21.41	-27.72	-18.84	-13.88	-14.70
				-7.11	-10.34	-1.87	-0.33	-0.57	-3.18	-4.68

PROPULSIVE WING FLOW FIELD

RARE SUMMARY, RUN 121

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	-0.01 0.00 90.56	88.48 -8.36 3.87	88.17 -10.05 4.32	102.30 -3.18 5.07	338.20 -7.37 3.78	150.30 -13.85 3.95	88.88 -3.00 1.91	88.52 -2.88 1.85
4	3.58 0.00 88.17	88.81 -13.41 4.78	88.27 -13.41 5.18	152.70 -8.19 5.48	338.70 -11.54 3.58	139.80 -18.50 3.02	88.82 -3.87 0.11	87.82 -5.10 0.18
8	7.88 0.00 84.37	89.58 -14.95 5.49	81.14 -15.78 4.84	182.40 -8.01 5.54	334.80 -13.82 3.31	124.10 -17.50 1.30	88.88 -8.18 -1.14	88.72 -7.01 -0.88
8	12.00 0.00 81.72	90.88 -17.88 4.37	92.81 -18.50 3.28	178.20 -12.82 4.81	317.10 -18.41 3.02	110.30 -18.37 -0.87	88.13 -10.82 -2.80	84.81 -8.16 -2.41
13	21.98 0.00 98.11	95.18 -22.71 -4.72	95.78 -24.30 -8.58	207.80 -22.80 -6.80	299.70 -28.85 1.50	82.31 -23.20 -5.45	83.38 -18.23 -5.12	80.44 -13.88 -5.22

PROPULSIVE WING FLOW FIELD

RARE SUMMARY, RUN 122

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	-0.01 0.00 81.28	82.99 -12.04 3.07	83.23 -14.85 7.91	120.20 -2.88 6.27	309.20 -7.85 2.88	158.20 -15.84 5.88	81.82 -1.45 2.84	87.44 -0.71 2.70
4	3.99 0.00 87.88	83.21 -15.88 4.92	83.34 -17.54 8.12	127.30 -8.71 6.38	308.80 -11.58 3.85	148.40 -18.87 4.80	81.88 -4.28 0.85	85.84 -2.74 0.53
8	7.88 0.00 83.87	83.24 -18.00 4.81	84.28 -21.01 8.44	133.50 -10.29 8.60	308.90 -15.55 3.88	140.80 -22.82 3.58	80.78 -7.38 -0.87	85.12 -5.20 -1.84
8	12.00 0.00 84.87	84.27 -20.41 4.38	85.14 -22.78 4.28	144.30 -13.41 4.87	312.20 -18.48 3.38	132.70 -28.23 2.30	80.14 -8.54 -2.83	83.28 -8.84 -3.03
13	21.98 0.00 98.88	88.57 -28.37 -1.58	88.78 -27.73 -4.81	185.10 -22.88 6.88	304.50 -28.12 2.44	108.40 -32.73 6.80	88.83 -15.73 -4.58	80.88 -8.58 -8.92

PROPELLSIVE MINE FLOW FIELD

PT	RAKE SUMMARY, RUN 122											
	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	BETA	ALP1	ALP2	ALP3
	HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7				
2	0.01	152.00	153.00	155.00	155.00	154.00	154.00	152.00	152.00	152.00	152.00	152.00
	5.01	-2.28	-2.48	-2.62	-2.78	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
	90.16	7.62	7.73	8.93	8.64	8.62	7.12	7.44				
4	4.02	152.00	155.00	151.00	155.00	154.00	154.00	152.00	152.00	152.00	152.00	152.00
	5.01	-4.84	-5.25	-8.85	-5.34	-4.25	-4.02	-3.25	-3.25	-3.25	-3.25	-3.25
	90.16	8.82	8.97	10.20	4.64	4.87	5.57	5.72				
6	7.99	152.30	158.20	150.70	155.30	154.30	155.00	152.00	152.00	152.00	152.00	152.00
	5.01	-7.80	-8.33	-9.44	-7.80	-8.33	-5.87	-4.83	-4.83	-4.83	-4.83	-4.83
	97.41	8.28	9.83	8.30	2.83	2.99	3.93	4.21				
8	11.99	154.00	157.00	122.30	155.20	154.20	155.20	151.10	151.10	151.10	151.10	151.10
	5.01	-10.80	-11.47	-8.06	-8.88	-8.38	-7.82	-6.51	-6.51	-6.51	-6.51	-6.51
	94.87	9.00	9.68	0.19	1.23	1.38	2.88	2.93				

PROPELLSIVE MINE FLOW FIELD

PT	RAKE SUMMARY, RUN 122											
	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	BETA	ALP1	ALP2	ALP3
	HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7				
51	10.01	155.00	158.00	157.00	157.50	158.20	157.90	158.20	157.90	157.90	157.90	157.90
	0.00	1.00	1.40	1.66	0.41	0.71	0.40	-0.40	-0.40	-0.40	-0.40	-0.40
	95.20	2.53	2.99	1.00	1.26	1.19	1.95	1.50				

PROPELLSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 133

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
7	0.00	153.00	150.20	150.20	150.20	150.00	150.00	100.00
	0.00	-0.27	0.20	0.20	-0.10	0.10	0.10	-0.10
	00.71	2.51	2.27	2.50	2.23	2.16	2.46	2.23
8	0.01	153.00	157.00	157.00	157.70	150.20	157.50	150.20
	-2.03	0.10	0.72	0.70	0.12	0.02	0.00	0.20
	00.71	1.22	0.94	0.70	0.30	0.40	0.07	0.23

PROPELLSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 140

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
3	-0.01	150.20	102.20	150.00	102.50	102.50	10.50	20.20
	0.00	-14.23	-14.23	-15.07	-15.72	-23.00	-22.07	-23.02
	00.00	3.00	3.00	4.02	5.07	11.00	-00.00	30.00
5	4.00	150.00	101.00	155.10	122.00	00.00	10.50	17.00
	0.00	-10.20	-10.20	-10.00	-22.00	-20.00	-22.73	-05.70
	00.71	4.75	5.53	5.00	7.70	7.00	-00.20	31.00
7	0.07	157.70	157.70	151.70	150.00	07.00	12.00	10.47
	0.00	-17.50	-10.00	-21.22	-20.00	-20.00	-22.00	-02.00
	00.72	5.00	5.10	0.21	5.51	-0.07	-00.00	-10.53
9	12.01	100.00	100.20	100.20	100.20	02.00	2.00	10.22
	0.00	-20.20	-20.00	-24.27	-20.70	-20.10	-21.01	-21.10
	00.00	3.03	1.04	2.77	-0.05	-0.00	0.27	-03.00
10	22.00	71.07	00.20	00.07	70.72	00.10	5.12	24.00
	0.00	-00.10	-27.20	-25.20	-20.00	-0.71	-04.21	10.07
	00.10	-00.10	-07.00	-00.07	-00.20	-21.07	20.07	-20.50

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, FOR 1940

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
	DE11	DE12	DE13	DE14	DE15	DE16	DE17	DE18
2	0.00	102.20	107.00	108.00	108.70	11.04	27.52	27.52
	0.00	-22.00	-22.70	-27.52	-41.41	27.40	-41.41	-41.41
	00.40	0.41	0.07	0.20	0.10	-00.40	0.10	0.10
4	0.00	102.20	107.00	112.00	111.00	11.70	20.20	20.20
	0.00	-22.00	-22.70	-41.40	-41.40	27.40	-41.40	-41.40
	00.41	0.42	0.07	0.20	0.10	-00.40	0.10	0.10
6	0.00	102.20	112.10	114.00	112.50	11.37	20.00	20.00
	0.00	-22.00	-41.42	-41.42	-41.42	27.40	-41.42	-41.42
	00.40	0.43	0.07	0.20	0.10	-00.40	0.10	0.10
8	0.00	102.20	115.00	116.00	116.70	12.27	20.00	20.00
	0.00	-22.00	-41.42	-41.42	-41.42	27.40	-41.42	-41.42
	00.40	0.43	0.07	0.20	0.10	-00.40	0.10	0.10
10	0.00	102.20	122.00	127.00	127.00	10.00	20.00	20.00
	0.00	-22.00	-41.42	-41.42	-41.42	27.40	-41.42	-41.42
	00.41	0.45	0.07	0.20	0.10	-00.40	0.10	0.10

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, FOR 1940

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
	DE11	DE12	DE13	DE14	DE15	DE16	DE17	DE18
2	0.01	120.70	122.20	124.00	122.00	10.22	42.50	42.50
	0.00	-22.00	-22.00	-22.00	-22.00	10.00	-42.50	-42.50
	00.11	7.10	7.70	7.00	0.00	-00.23	0.00	0.00
4	0.00	122.00	122.00	124.00	124.00	0.00	42.50	42.50
	0.00	-22.00	-22.00	-22.00	-22.00	10.00	-42.50	-42.50
	00.17	7.07	7.07	7.00	0.00	-00.23	0.00	0.00
6	0.00	122.00	124.00	124.00	124.00	10.70	42.00	42.00
	0.00	-22.00	-22.00	-22.00	-22.00	10.00	-42.00	-42.00
	00.12	7.07	7.00	7.00	0.00	-00.23	0.00	0.00
8	0.00	122.00	124.00	124.00	124.00	10.20	42.77	42.77
	0.00	-22.00	-22.00	-22.00	-22.00	10.00	-42.77	-42.77
	00.10	7.04	7.04	7.00	0.00	-00.23	0.00	0.00
10	0.00	122.00	124.00	124.00	124.00	10.00	40.00	40.00
	0.00	-22.00	-22.00	-22.00	-22.00	10.00	-40.00	-40.00
	00.10	7.04	7.04	7.00	0.00	-00.23	0.00	0.00

PROPELLSIVE MINE FLOW FI

RANK SUMMARY, RUN 151

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	0.00 0.00 05.14	73.00 -35.52 10.56	77.46 -38.17 16.49	78.75 -38.89 11.47	80.82 -41.19 16.72	82.82 -48.25 11.83	84.36 -50.64 11.83	86.36 -52.19 11.83
4	4.00 0.00 05.73	74.07 -40.01 11.87	78.58 -45.82 11.33	78.78 -45.36 11.77	81.28 -45.78 16.23	82.44 -50.64 10.37	84.73 -50.64 10.37	86.36 -52.19 11.83
6	8.00 0.00 04.38	75.22 -45.77 11.43	77.93 -48.98 16.42	80.58 -49.01 8.74	83.53 -51.10 7.14	84.73 -55.88 8.27	86.36 -55.88 8.27	88.36 -57.14 8.27
7	10.00 0.00 08.70	78.88 -48.56 11.73	80.45 -48.95 8.92	83.68 -51.34 8.77	85.88 -53.33 8.15	88.00 -57.14 5.00	90.00 -57.14 5.00	92.00 -59.14 5.00
8	12.00 0.00 08.93	77.82 -51.24 11.68	81.15 -51.53 8.88	83.87 -53.74 8.74	86.73 -55.46 8.50	89.58 -58.15 8.00	92.44 -60.22 8.00	95.30 -62.00 8.00
13	22.00 0.00 08.51	85.87 -68.84 12.18	89.82 -75.81 8.73	93.18 -81.81 8.02	96.02 -88.36 1.61	98.88 -90.12 -1.77	101.74 -91.88 -1.77	104.60 -93.64 -1.77

PROPELLSIVE MINE FLOW FIELD

RANK SUMMARY, RUN 152

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	0.01 0.00 03.05	128.50 -28.50 15.00	130.70 -28.50 15.72	134.10 -31.27 15.70	135.80 -33.50 15.21	134.50 -30.21 15.20	134.50 -28.21 15.20	134.50 -26.21 15.20
4	4.00 0.00 04.34	127.80 -28.01 16.12	132.70 -32.72 18.12	138.40 -35.40 15.40	138.20 -37.87 13.92	138.70 -40.00 13.34	138.70 -42.00 13.34	138.70 -44.00 13.34
6	8.04 0.00 03.05	128.40 -28.57 16.47	134.80 -37.39 15.34	138.50 -40.11 13.40	140.20 -42.83 8.35	138.00 -45.00 8.35	138.00 -47.00 8.35	138.00 -49.00 8.35
8	12.00 0.01 04.01	122.80 -42.21 15.13	132.20 -42.78 12.54	141.30 -44.80 8.35	142.80 -46.83 5.47	138.20 -49.00 3.05	138.20 -51.00 3.05	138.20 -53.00 3.05
10	16.01 0.00 04.34	138.00 -48.40 13.03	144.10 -48.41 8.41	147.00 -48.82 5.31	147.00 -49.40 1.00	143.00 -50.17 -1.51	143.00 -51.17 -1.51	143.00 -52.17 -1.51
13	22.00 0.00 04.05	148.20 -57.50 4.76	158.00 -58.27 0.07	158.00 -58.12 -4.00	158.00 -58.12 -4.00	158.00 -58.12 -4.00	158.00 -58.12 -4.00	158.00 -58.12 -4.00

PROPELLSIVE MINE FLOW FIELD

PI	RAKE SUMMARY, RUN 104									
	ALPHA DETA MEAN	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7	VT8 ALP8 DET8	VT9 ALP9 DET9
3	0.01 -0.01 00.70	104.70 -14.42 00.31	104.00 -12.83 0.00	104.00 -14.00 0.74	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
4	4.00 -0.01 00.33	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
5	0.00 -0.01 00.34	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
6	12.07 -0.01 00.00	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
13	22.11 -0.01 00.70	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20

PROPELLSIVE MINE FLOW FIELD

PI	RAKE SUMMARY, RUN 103									
	ALPHA DETA MEAN	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7	VT8 ALP8 DET8	VT9 ALP9 DET9
10	0.01 -0.01 00.70	104.00 -14.42 00.31	104.00 -12.83 0.00	104.00 -14.00 0.74	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
16	4.07 -0.01 00.37	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
20	0.04 -0.01 00.03	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
22	12.06 -0.01 00.70	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20
27	21.00 -0.01 07.73	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20	104.00 -17.70 10.20

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 100

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	MEIOMT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	-0.02	100.20	100.20	102.40	100.00	100.20	8.82	22.82
	0.00	-14.27	-12.04	-10.24	-17.04	-10.14	-57.57	-26.46
	00.71	14.02	12.82	14.81	15.40	20.05	-07.01	42.55
4	-0.02	100.20	100.20	101.40	103.40	100.00	7.01	20.82
	0.00	-14.50	-12.00	-10.00	-17.75	-10.17	-38.87	-28.04
	00.71	14.22	8.87	10.05	11.00	17.40	-50.04	40.04

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 170

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	MEIOMT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	-0.02	100.70	101.00	100.00	102.00	102.00	8.79	42.00
	0.00	-20.22	-27.01	-20.20	-22.00	-20.00	-41.00	-07.24
	07.70	0.00	0.00	7.20	4.01	0.01	-75.22	0.70
4	-0.02	100.00	102.00	101.00	101.00	102.00	8.20	42.82
	0.00	-32.17	-31.00	-34.14	-30.00	-30.11	-05.21	-01.52
	00.81	0.00	0.00	0.00	2.52	4.82	-04.50	2.22
6	-0.00	100.20	100.10	102.00	100.00	104.10	0.07	42.24
	0.00	-30.12	-30.20	-30.22	-00.12	-02.70	-00.70	-00.70
	05.82	0.00	0.07	0.12	1.10	1.00	-04.07	-1.02
8	-0.02	102.40	100.00	107.00	100.00	104.70	0.00	42.00
	0.00	-02.82	-00.07	-02.52	-02.42	-05.20	-02.82	-00.12
	00.11	0.24	0.22	3.00	-0.47	-0.20	-07.77	-0.24
12	-0.02	100.00	101.70	100.00	101.00	100.10	0.22	20.70
	0.00	-04.74	-32.21	-02.10	-02.04	-01.70	-02.11	-00.00
	00.75	0.02	-1.02	-0.42	-7.04	-0.70	-02.12	-10.72

PROPELLSIVE MINE FLOW FIELD

RACE SUMMARY, SUM 171

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DE11	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	0.00	162.20	167.20	164.00	167.00	168.20	7.27	28.20
	0.00	-27.70	-30.00	-32.07	-37.20	-41.10	-27.04	-47.75
	05.00	11.30	7.43	0.57	4.40	-0.1	-17.40	4.15
4	4.01	164.20	168.70	166.00	169.00	110.00	0.00	28.07
	0.00	-38.00	-34.11	-37.00	-41.11	-44.51	-30.00	-51.00
	08.03	12.17	7.71	0.34	3.02	0.20	-34.11	1.17
7	12.00	160.00	114.00	112.00	118.00	110.00	7.00	20.17
	0.00	-47.10	-44.43	-47.37	-48.17	-51.00	-70.10	-50.30
	08.03	11.52	0.07	0.12	-0.34	1.02	-08.20	-3.20
12	22.00	110.10	124.00	123.00	126.00	124.00	0.00	40.02
	0.00	-61.00	-54.27	-50.00	-50.00	-61.22	-70.72	-00.00
	05.14	0.27	2.20	-1.31	-7.30	-0.00	-70.11	-11.15

PROPELLSIVE MINE FLOW FIELD

RACE SUMMARY, SUM 170

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DE11	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	0.00	72.00	70.12	77.42	70.70	60.00	11.12	20.01
	0.01	-34.00	-30.04	-30.17	-41.00	-40.24	-42.20	-40.70
	04.20	10.24	12.20	12.00	12.24	12.20	-01.70	0.17
4	4.01	73.20	70.00	70.10	01.04	02.00	10.10	20.10
	0.01	-30.22	-41.20	-42.72	-40.00	-40.70	-00.00	-04.07
	01.72	11.04	12.00	12.04	11.70	10.00	-04.10	0.44
6	3.02	74.07	70.00	01.70	04.01	00.20	11.20	20.00
	0.01	-05.77	-47.04	-40.04	-51.72	-50.20	-70.02	-07.41
	07.00	11.01	12.10	10.07	0.44	0.02	-04.02	2.12
8	12.02	70.00	00.00	04.02	00.00	07.00	12.10	20.27
	0.01	-50.57	-52.37	-54.10	-40.11	-00.10	-74.00	-01.20
	06.01	11.24	11.00	0.71	7.00	0.20	-00.00	1.27
13	21.00	04.01	00.00	02.11	00.00	00.21	11.00	22.10
	-0.02	-00.22	-00.00	-07.00	-00.00	-00.02	-04.02	-72.20
	00.17	12.00	10.20	0.10	2.10	-1.20	-00.04	-0.01

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 176

PI	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	METRIC	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	0.01	31.73	34.87	37.75	38.34	38.85	39.01	31.58
	-0.01	-28.08	-32.43	-35.53	-36.81	-37.81	-38.01	-38.88
	94.54	11.31	17.37	17.15	17.85	20.72	-68.21	8.88
4	2.00	32.80	36.18	38.14	41.42	41.89	40.37	22.58
	-0.01	-42.82	-47.18	-48.84	-48.87	-48.78	-48.88	-48.47
	88.88	11.75	17.71	17.11	18.28	17.78	-58.71	8.61
6	8.01	32.79	38.88	40.94	42.01	42.88	40.78	22.47
	-0.01	-48.28	-52.41	-54.53	-56.21	-51.58	-52.58	-54.51
	88.71	12.88	18.88	17.84	18.82	18.88	-71.88	3.82
8	12.00	36.78	40.82	44.12	46.28	46.88	41.28	22.58
	-0.01	-54.48	-58.57	-60.22	-60.22	-64.78	-74.88	-52.14
	83.87	12.24	17.38	18.22	14.16	11.75	-68.72	3.88
13	21.00	48.88	57.21	70.18	72.15	72.88	11.18	24.88
	-0.02	-68.18	-71.88	-72.84	-72.88	-78.82	-77.88	-74.45
	88.22	18.28	18.71	15.12	12.42	7.82	-78.81	-4.41

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 188

PI	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	METRIC	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	0.00	28.88	32.77	35.88	36.88	37.88	38.88	31.88
	-0.01	-42.88	-48.88	-51.88	-52.88	-53.88	-54.88	-55.88
	92.48	7.48	17.84	21.82	25.88	28.88	-71.82	1.28
4	4.02	28.88	41.78	44.84	48.81	48.88	48.88	15.88
	-0.01	-48.84	-58.87	-62.88	-61.88	-68.74	-67.82	-68.28
	87.28	8.88	18.82	22.88	27.21	28.28	-64.28	2.48
6	8.00	38.11	44.41	47.27	48.88	48.42	48.84	17.28
	-0.01	-52.28	-60.78	-68.88	-67.84	-68.88	-68.12	-68.88
	84.48	8.18	18.88	22.82	26.18	22.82	-68.88	7.21
8	12.02	38.82	48.88	48.88	48.75	48.87	48.87	17.88
	-0.01	-68.88	-78.74	-84.18	-82.88	-78.88	-78.74	-78.88
	88.51	18.88	21.84	22.88	24.17	22.78	-68.81	8.07
13	21.87	41.88	58.27	52.82	52.84	54.44	11.27	18.88
	-0.02	-72.88	-78.48	-78.88	-78.87	-81.87	-78.88	-71.82
	88.28	17.15	25.14	25.87	27.28	18.88	-72.88	2.21

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 104

PT	ALPHA DETA HEIGHT	VT1 ALP1 DETA	VT2 ALP2 DETA	VT3 ALP3 DETA	VT4 ALP4 DETA	VT5 ALP5 DETA	VT6 ALP6 DETA	VT7 ALP7 DETA
3	-0.01 0.01 0.01	0.12 -0.22 0.20	0.10 1.43 10.00	0.10 0.70 11.75	0.11 0.06 10.81	0.10 0.17 12.00	0.11 1.22 10.42	0.10 0.20 11.01
4	-0.01 0.01 0.01	107.50 -20.53 0.81	100.00 -20.04 4.22	107.70 -20.41 0.52	101.30 -20.40 -0.81	110.70 -20.22 -0.81	14.52 -0.52 -3.51	16.57 -0.37 70.14
5	-0.01 0.01 0.01	100.00 -31.10 -0.30	100.30 -24.75 -7.17	104.20 -21.77 -6.52	130.50 -22.07 -0.30	164.00 -22.02 -0.83	15.81 -4.87 70.00	18.51 -0.04 -11.20
6	-0.01 0.01 0.01	100.30 -20.50 -12.07	107.10 -23.30 -0.50	107.00 -22.50 -7.50	120.30 -20.03 -0.17	103.00 -24.40 -10.70	15.81 -12.00 70.74	10.23 5.73 -0.40
10	12.10 -0.01 0.01	104.30 -20.00 -12.40	103.30 -20.00 -0.07	105.30 -20.20 -0.77	137.00 -20.70 -12.20	100.30 -27.03 -12.43	15.73 -31.07 00.00	15.00 -0.04 -00.70
15	22.00 -0.01 04.11	100.50 -20.30 -10.00	100.00 -20.22 -17.20	100.00 -20.10 -20.10	137.00 -20.02 -20.10	114.10 -22.00 -17.40	17.70 -20.70 02.52	24.10 -5.42 -53.13

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 102

PT	ALPHA DETA HEIGHT	VT1 ALP1 DETA	VT2 ALP2 DETA	VT3 ALP3 DETA	VT4 ALP4 DETA	VT5 ALP5 DETA	VT6 ALP6 DETA	VT7 ALP7 DETA
3	0.00 0.00 0.10	120.70 -27.20 7.41	120.00 -26.20 12.12	140.30 -32.43 11.00	147.00 -32.00 12.40	143.10 -37.41 10.07	0.70 0.00 -70.22	07.10 -00.20 0.02
5	4.01 0.00 00.50	140.30 -33.20 0.40	140.00 -30.00 14.00	164.00 -30.31 10.53	160.20 -40.73 0.30	101.00 -40.00 2.13	12.01 0.00 -03.31	00.07 -00.97 -7.01
7	0.03 0.00 00.30	145.00 -40.00 7.00	152.00 -40.21 0.01	102.00 -40.71 2.10	104.70 -50.70 -3.54	103.00 -51.20 -11.01	10.70 23.20 -70.20	01.00 -00.10 -22.20
8	12.01 0.00 00.40	100.50 -44.70 0.14	107.70 -47.74 0.13	172.00 -48.94 0.30	171.00 -50.10 -0.00	171.10 -50.01 -10.00	0.01 -1.70 -01.01	04.11 -00.00 -27.22

PROPELISIVE MING. FLOW FIELD

PT	RANK SUMMARY. RUN 103											
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11
2	-0.01	89.80	89.04	107.80	100.20	104.00	12.00	23.00	12.00	12.00	12.00	23.00
	0.00	-30.07	-30.01	-30.50	-30.21	-40.17	4.27	-50.00	4.27	-50.00	4.27	-50.00
	87.91	8.41	16.07	14.01	17.00	13.57	-80.50	14.13	-80.50	14.13	-80.50	14.13
4	4.01	87.43	102.00	112.20	110.20	110.20	10.00	20.00	10.00	20.00	10.00	20.00
	0.00	-30.20	-41.00	-42.00	-42.57	-47.00	8.51	-57.10	8.51	-57.10	8.51	-57.10
	87.79	8.37	16.00	15.20	17.40	11.50	-77.01	3.10	-77.01	3.10	-77.01	3.10
6	8.00	107.10	114.20	122.50	122.10	110.70	11.23	37.00	11.23	37.00	11.23	37.00
	0.00	-42.00	-47.00	-50.00	-50.00	-50.00	10.00	-60.00	10.00	-60.00	10.00	-60.00
	85.45	16.33	16.31	12.00	12.70	2.55	-75.00	12.12	-75.00	12.12	-75.00	12.12
8	11.00	107.20	115.00	122.00	123.00	123.00	12.00	20.00	12.00	20.00	12.00	20.00
	0.00	-54.40	-60.37	-61.12	-61.91	-63.71	10.07	-60.00	10.07	-60.00	10.07	-60.00
	85.00	10.03	17.04	8.43	5.40	-8.00	-70.00	-22.00	-70.00	-22.00	-70.00	-22.00

PROPELISIVE MING. FLOW FIELD

PT	RANK SUMMARY. RUN 104											
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11
2	-0.02	84.03	70.00	78.00	82.00	74.50	7.03	22.00	7.03	22.00	7.03	22.00
	0.00	-31.10	-42.77	-41.50	-40.12	-44.07	20.00	-54.00	20.00	-54.00	20.00	-54.00
	80.34	2.00	30.00	30.10	35.00	10.00	-75.00	10.00	-75.00	10.00	-75.00	10.00
4	2.00	80.50	74.20	82.00	84.00	77.01	10.70	20.00	10.70	20.00	10.70	20.00
	0.00	-30.20	-40.20	-41.20	-42.10	-46.01	17.00	-61.00	17.00	-61.00	17.00	-61.00
	80.13	4.00	30.00	31.00	30.01	10.10	-70.00	10.00	-70.00	10.00	-70.00	10.00
6	8.00	80.07	80.10	80.07	80.41	82.04	10.77	20.00	10.77	20.00	10.77	20.00
	0.00	-47.04	-50.07	-50.00	-50.00	-50.10	0.00	-60.00	0.00	-60.00	0.00	-60.00
	80.00	5.20	30.01	10.75	24.70	14.23	-70.01	2.20	-70.01	2.20	-70.01	2.20
8	12.01	70.20	80.50	80.00	87.12	81.20	11.71	20.00	11.71	20.00	11.71	20.00
	0.00	-53.10	-60.12	-50.10	-60.00	-60.00	22.00	-60.00	22.00	-60.00	22.00	-60.00
	80.41	8.02	30.03	10.13	27.00	11.07	-60.00	-1.03	-60.00	-1.03	-60.00	-1.03

PROSPECTIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 100

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	0.00	42.50	00.70	00.10	00.02	00.22	12.40	17.10
	0.00	-24.17	-00.20	-00.00	-04.24	-00.00	23.70	-00.10
	02.70	-12.00	03.03	20.70	57.01	24.77	-70.00	07.00
4	0.01	42.11	01.07	00.20	00.27	07.00	0.27	17.00
	0.00	-20.01	-00.70	-01.03	-27.00	-01.77	22.22	-03.23
	07.22	-7.04	03.00	20.07	20.20	21.00	-73.53	20.01
6	0.01	04.00	04.00	00.00	70.03	01.00	0.04	10.24
	0.00	-04.03	-00.00	-00.10	-03.27	-00.07	4.01	-00.01
	00.17	-0.00	04.13	20.00	27.01	20.07	-73.01	24.03
8	11.00	00.01	00.22	72.03	72.04	04.10	11.04	20.00
	0.00	-00.04	-02.04	-03.73	-00.00	-00.22	14.03	-70.21
	00.00	-0.04	02.11	20.03	20.00	20.00	-70.03	14.14

PROSPECTIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 100

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
10	0.03	00.10	37.03	20.20	37.20	01.03	01.10	00.10
	0.01	-20.03	-00.01	-00.70	-00.00	-00.01	-00.70	-07.00
	07.00	24.03	10.03	23.17	10.10	27.03	27.20	00.70
10	0.00	01.07	20.04	20.12	27.70	02.24	02.00	00.00
	0.01	-01.02	-01.27	-00.27	-04.10	-07.00	-04.00	-00.01
	00.04	20.04	10.20	20.03	10.17	20.00	20.03	00.03

PROGRESSIVE MING FLOW FIELD

DATE SUMMARY, SUM 214

PI	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16	ALP17	ALP18	ALP19	ALP20	ALP21	ALP22	ALP23	ALP24	ALP25	ALP26	ALP27	ALP28	ALP29	ALP30	ALP31	ALP32	ALP33	ALP34	ALP35	ALP36	ALP37	ALP38	ALP39	ALP40	ALP41	ALP42	ALP43	ALP44	ALP45	ALP46	ALP47	ALP48	ALP49	ALP50	ALP51	ALP52	ALP53	ALP54	ALP55	ALP56	ALP57	ALP58	ALP59	ALP60	ALP61	ALP62	ALP63	ALP64	ALP65	ALP66	ALP67	ALP68	ALP69	ALP70	ALP71	ALP72	ALP73	ALP74	ALP75	ALP76	ALP77	ALP78	ALP79	ALP80	ALP81	ALP82	ALP83	ALP84	ALP85	ALP86	ALP87	ALP88	ALP89	ALP90	ALP91	ALP92	ALP93	ALP94	ALP95	ALP96	ALP97	ALP98	ALP99	ALP100	ALP101	ALP102	ALP103	ALP104	ALP105	ALP106	ALP107	ALP108	ALP109	ALP110	ALP111	ALP112	ALP113	ALP114	ALP115	ALP116	ALP117	ALP118	ALP119	ALP120	ALP121	ALP122	ALP123	ALP124	ALP125	ALP126	ALP127	ALP128	ALP129	ALP130	ALP131	ALP132	ALP133	ALP134	ALP135	ALP136	ALP137	ALP138	ALP139	ALP140	ALP141	ALP142	ALP143	ALP144	ALP145	ALP146	ALP147	ALP148	ALP149	ALP150	ALP151	ALP152	ALP153	ALP154	ALP155	ALP156	ALP157	ALP158	ALP159	ALP160	ALP161	ALP162	ALP163	ALP164	ALP165	ALP166	ALP167	ALP168	ALP169	ALP170	ALP171	ALP172	ALP173	ALP174	ALP175	ALP176	ALP177	ALP178	ALP179	ALP180	ALP181	ALP182	ALP183	ALP184	ALP185	ALP186	ALP187	ALP188	ALP189	ALP190	ALP191	ALP192	ALP193	ALP194	ALP195	ALP196	ALP197	ALP198	ALP199	ALP200	ALP201	ALP202	ALP203	ALP204	ALP205	ALP206	ALP207	ALP208	ALP209	ALP210	ALP211	ALP212	ALP213	ALP214	ALP215	ALP216	ALP217	ALP218	ALP219	ALP220	ALP221	ALP222	ALP223	ALP224	ALP225	ALP226	ALP227	ALP228	ALP229	ALP230	ALP231	ALP232	ALP233	ALP234	ALP235	ALP236	ALP237	ALP238	ALP239	ALP240	ALP241	ALP242	ALP243	ALP244	ALP245	ALP246	ALP247	ALP248	ALP249	ALP250	ALP251	ALP252	ALP253	ALP254	ALP255	ALP256	ALP257	ALP258	ALP259	ALP260	ALP261	ALP262	ALP263	ALP264	ALP265	ALP266	ALP267	ALP268	ALP269	ALP270	ALP271	ALP272	ALP273	ALP274	ALP275	ALP276	ALP277	ALP278	ALP279	ALP280	ALP281	ALP282	ALP283	ALP284	ALP285	ALP286	ALP287	ALP288	ALP289	ALP290	ALP291	ALP292	ALP293	ALP294	ALP295	ALP296	ALP297	ALP298	ALP299	ALP300	ALP301	ALP302	ALP303	ALP304	ALP305	ALP306	ALP307	ALP308	ALP309	ALP310	ALP311	ALP312	ALP313	ALP314	ALP315	ALP316	ALP317	ALP318	ALP319	ALP320	ALP321	ALP322	ALP323	ALP324	ALP325	ALP326	ALP327	ALP328	ALP329	ALP330	ALP331	ALP332	ALP333	ALP334	ALP335	ALP336	ALP337	ALP338	ALP339	ALP340	ALP341	ALP342	ALP343	ALP344	ALP345	ALP346	ALP347	ALP348	ALP349	ALP350	ALP351	ALP352	ALP353	ALP354	ALP355	ALP356	ALP357	ALP358	ALP359	ALP360	ALP361	ALP362	ALP363	ALP364	ALP365	ALP366	ALP367	ALP368	ALP369	ALP370	ALP371	ALP372	ALP373	ALP374	ALP375	ALP376	ALP377	ALP378	ALP379	ALP380	ALP381	ALP382	ALP383	ALP384	ALP385	ALP386	ALP387	ALP388	ALP389	ALP390	ALP391	ALP392	ALP393	ALP394	ALP395	ALP396	ALP397	ALP398	ALP399	ALP400	ALP401	ALP402	ALP403	ALP404	ALP405	ALP406	ALP407	ALP408	ALP409	ALP410	ALP411	ALP412	ALP413	ALP414	ALP415	ALP416	ALP417	ALP418	ALP419	ALP420	ALP421	ALP422	ALP423	ALP424	ALP425	ALP426	ALP427	ALP428	ALP429	ALP430	ALP431	ALP432	ALP433	ALP434	ALP435	ALP436	ALP437	ALP438	ALP439	ALP440	ALP441	ALP442	ALP443	ALP444	ALP445	ALP446	ALP447	ALP448	ALP449	ALP450	ALP451	ALP452	ALP453	ALP454	ALP455	ALP456	ALP457	ALP458	ALP459	ALP460	ALP461	ALP462	ALP463	ALP464	ALP465	ALP466	ALP467	ALP468	ALP469	ALP470	ALP471	ALP472	ALP473	ALP474	ALP475	ALP476	ALP477	ALP478	ALP479	ALP480	ALP481	ALP482	ALP483	ALP484	ALP485	ALP486	ALP487	ALP488	ALP489	ALP490	ALP491	ALP492	ALP493	ALP494	ALP495	ALP496	ALP497	ALP498	ALP499	ALP500	ALP501	ALP502	ALP503	ALP504	ALP505	ALP506	ALP507	ALP508	ALP509	ALP510	ALP511	ALP512	ALP513	ALP514	ALP515	ALP516	ALP517	ALP518	ALP519	ALP520	ALP521	ALP522	ALP523	ALP524	ALP525	ALP526	ALP527	ALP528	ALP529	ALP530	ALP531	ALP532	ALP533	ALP534	ALP535	ALP536	ALP537	ALP538	ALP539	ALP540	ALP541	ALP542	ALP543	ALP544	ALP545	ALP546	ALP547	ALP548	ALP549	ALP550	ALP551	ALP552	ALP553	ALP554	ALP555	ALP556	ALP557	ALP558	ALP559	ALP560	ALP561	ALP562	ALP563	ALP564	ALP565	ALP566	ALP567	ALP568	ALP569	ALP570	ALP571	ALP572	ALP573	ALP574	ALP575	ALP576	ALP577	ALP578	ALP579	ALP580	ALP581	ALP582	ALP583	ALP584	ALP585	ALP586	ALP587	ALP588	ALP589	ALP590	ALP591	ALP592	ALP593	ALP594	ALP595	ALP596	ALP597	ALP598	ALP599	ALP600	ALP601	ALP602	ALP603	ALP604	ALP605	ALP606	ALP607	ALP608	ALP609	ALP610	ALP611	ALP612	ALP613	ALP614	ALP615	ALP616	ALP617	ALP618	ALP619	ALP620	ALP621	ALP622	ALP623	ALP624	ALP625	ALP626	ALP627	ALP628	ALP629	ALP630	ALP631	ALP632	ALP633	ALP634	ALP635	ALP636	ALP637	ALP638	ALP639	ALP640	ALP641	ALP642	ALP643	ALP644	ALP645	ALP646	ALP647	ALP648	ALP649	ALP650	ALP651	ALP652	ALP653	ALP654	ALP655	ALP656	ALP657	ALP658	ALP659	ALP660	ALP661	ALP662	ALP663	ALP664	ALP665	ALP666	ALP667	ALP668	ALP669	ALP670	ALP671	ALP672	ALP673	ALP674	ALP675	ALP676	ALP677	ALP678	ALP679	ALP680	ALP681	ALP682	ALP683	ALP684	ALP685	ALP686	ALP687	ALP688	ALP689	ALP690	ALP691	ALP692	ALP693	ALP694	ALP695	ALP696	ALP697	ALP698	ALP699	ALP700	ALP701	ALP702	ALP703	ALP704	ALP705	ALP706	ALP707	ALP708	ALP709	ALP710	ALP711	ALP712	ALP713	ALP714	ALP715	ALP716	ALP717	ALP718	ALP719	ALP720	ALP721	ALP722	ALP723	ALP724	ALP725	ALP726	ALP727	ALP728	ALP729	ALP730	ALP731	ALP732	ALP733	ALP734	ALP735	ALP736	ALP737	ALP738	ALP739	ALP740	ALP741	ALP742	ALP743	ALP744	ALP745	ALP746	ALP747	ALP748	ALP749	ALP750	ALP751	ALP752	ALP753	ALP754	ALP755	ALP756	ALP757	ALP758	ALP759	ALP760	ALP761	ALP762	ALP763	ALP764	ALP765	ALP766	ALP767	ALP768	ALP769	ALP770	ALP771	ALP772	ALP773	ALP774	ALP775	ALP776	ALP777	ALP778	ALP779	ALP780	ALP781	ALP782	ALP783	ALP784	ALP785	ALP786	ALP787	ALP788	ALP789	ALP790	ALP791	ALP792	ALP793	ALP794	ALP795	ALP796	ALP797	ALP798	ALP799	ALP800	ALP801	ALP802	ALP803	ALP804	ALP805	ALP806	ALP807	ALP808	ALP809	ALP810	ALP811	ALP812	ALP813	ALP814	ALP815	ALP816	ALP817	ALP818	ALP819	ALP820	ALP821	ALP822	ALP823	ALP824	ALP825	ALP826	ALP827	ALP828	ALP829	ALP830	ALP831	ALP832	ALP833	ALP834	ALP835	ALP836	ALP837	ALP838	ALP839	ALP840	ALP841	ALP842	ALP843	ALP844	ALP845	ALP846	ALP847	ALP848	ALP849	ALP850	ALP851	ALP852	ALP853	ALP854	ALP855	ALP856	ALP857	ALP858	ALP859	ALP860	ALP861	ALP862	ALP863	ALP864	ALP865	ALP866	ALP867	ALP868	ALP869	ALP870	ALP871	ALP872	ALP873	ALP874	ALP875	ALP876	ALP877	ALP878	ALP879	ALP880	ALP881	ALP882	ALP883	ALP884	ALP885	ALP886	ALP887	ALP888	ALP889	ALP890	ALP891	ALP892	ALP893	ALP894	ALP895	ALP896	ALP897	ALP898	ALP899	ALP900	ALP901	ALP902	ALP903	ALP904	ALP905	ALP906	ALP907	ALP908	ALP909	ALP910	ALP911	ALP912	ALP913	ALP914	ALP915	ALP916	ALP917	ALP918	ALP919	ALP920	ALP921	ALP922	ALP923	ALP924	ALP925	ALP926	ALP927	ALP928	ALP929	ALP930	ALP931	ALP932	ALP933	ALP934	ALP935	ALP936	ALP937	ALP938	ALP939	ALP940	ALP941	ALP942	ALP943	ALP944	ALP945	ALP946	ALP947	ALP948	ALP949	ALP950	ALP951	ALP952	ALP953	ALP954	ALP955	ALP956	ALP957	ALP958	ALP959	ALP960	ALP961	ALP962	ALP963	ALP964	ALP965	ALP966	ALP967	ALP968	ALP969	ALP970	ALP971	ALP972	ALP973	ALP974	ALP975	ALP976	ALP977	ALP978	ALP979	ALP980	ALP981	ALP982	ALP983	ALP984	ALP985	ALP986	ALP987	ALP988	ALP989	ALP990	ALP991	ALP992	ALP993	ALP994	ALP995	ALP996	ALP997	ALP998	ALP999	ALP1000	ALP1001	ALP1002	ALP1003	ALP1004	ALP1005	ALP1006	ALP1007	ALP1008	ALP1009	ALP1010	ALP1011	ALP1012	ALP1013	ALP1014	ALP1015	ALP1016	ALP1017	ALP1018	ALP1019	ALP1020	ALP1021	ALP1022	ALP1023	ALP1024	ALP1025	ALP1026	ALP1027	ALP1028	ALP1029	ALP1030	ALP1031	ALP1032	ALP1033	ALP1034	ALP1035	ALP1036	ALP1037	ALP1038	ALP1039	ALP1040	ALP1041	ALP1042	ALP1043	ALP1044	ALP1045	ALP1046	ALP1047	ALP1048	ALP1049	ALP1050	ALP1051	ALP1052	ALP1053	ALP1054	ALP1055	ALP1056	ALP1057	ALP1058	ALP1059	ALP1060	ALP1061	ALP1062	ALP1063	ALP1064	ALP1065	ALP1066	ALP1067	ALP1068	ALP1069	ALP1070	ALP1071	ALP1072	ALP1073	ALP1074	ALP1075	ALP1076	ALP1077	ALP1078	ALP1079	ALP1080	ALP1081	ALP1082	ALP1083	ALP1084	ALP1085	ALP1086	ALP1087	ALP1088	ALP1089	ALP1090	ALP1091	ALP1092	ALP1093	ALP1094	ALP1095	ALP1096	ALP1097	ALP1098	ALP1099	ALP1100	ALP1101	ALP1102	ALP1103	ALP1104	ALP1105	ALP1106	ALP1107	ALP1108	ALP1109	ALP1110	ALP1111	ALP1112	ALP1113	ALP1114	ALP1115	ALP1116	ALP1117	ALP1118	ALP1119	ALP1120	ALP1121	ALP1122	ALP1123	ALP1124	ALP1125	ALP1126	ALP1127	ALP1128	ALP1129	ALP1130	ALP1131	ALP1132	ALP1133	ALP1134	ALP1135	ALP1136	ALP1137	ALP1138	ALP1139	ALP1140	ALP1141	ALP1142	ALP1143	ALP1144	ALP1145	ALP1146	ALP1147	ALP1148	ALP1149	ALP1150	ALP1151	ALP1152	ALP1153	ALP1154	ALP1155	ALP1156	ALP1157	ALP1158	ALP1159	ALP1160	ALP1161	ALP1162	ALP1163	ALP1164	ALP1165	ALP1166	ALP1167	ALP1168	ALP1169	ALP1170	ALP1171	ALP1172	ALP1173	ALP1174	ALP1175	ALP1176	ALP1177	ALP1178	ALP1179	ALP1180	ALP1181	ALP1182	ALP1183	ALP1184	ALP1185	ALP1186	ALP1187	ALP1188	ALP1189	ALP1190	ALP1191	ALP1192	ALP1193	ALP1194	ALP1195	ALP1196	ALP1197	ALP1198	ALP1199	ALP1200	ALP1201	ALP1202	ALP1203	ALP1204	ALP1205	ALP1206	ALP1207	ALP1208	ALP1209	ALP1210	ALP1211	ALP1212	ALP1213	ALP1214
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PROPELLSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 217

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	0.01 0.00 00.25	135.30 -32.21 8.54	128.70 -31.37 11.76	103.00 -31.37 11.45	143.00 -33.04 11.38	101.30 -38.00 10.37	144.00 -36.02 10.33	144.10 -42.84 8.50
4	3.88 0.00 00.12	137.00 -32.21 11.38	141.10 -34.82 13.03	105.20 -37.43 11.64	145.00 -38.38 16.44	144.00 -43.00 8.91	148.00 -45.21 4.92	147.30 -43.88 0.80
6	3.02 0.00 05.20	143.00 -43.76 10.47	148.00 -45.31 8.00	153.10 -47.58 4.88	154.10 -48.96 -0.07	153.10 -50.32 5.22	154.70 -48.22 -8.46	152.00 -48.82 -8.75
8	12.00 -0.01 04.70	152.00 -55.26 8.54	158.70 -58.12 3.25	162.40 -58.83 -3.00	162.00 -58.05 -8.74	160.50 -58.16 -15.00	158.50 -54.28 -12.75	154.30 -53.31 -13.75
12	32.03 -0.01 02.47	122.70 -75.16 -33.31	133.80 -67.98 -32.82	141.20 -67.98 -37.85	145.80 -67.32 -38.76	140.00 -65.81 -34.53	144.00 -68.05 -25.63	142.10 -63.85 -20.77

PROPELLSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 218

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
4	0.01 0.00 05.70	97.02 -25.74 12.52	98.77 -28.00 12.26	100.30 -31.05 12.86	101.40 -35.74 11.84	101.40 -38.83 12.58	104.10 -40.18 11.17	107.90 -46.88 8.94
6	4.01 0.00 05.20	98.00 -25.85 14.87	102.00 -28.75 13.38	103.00 -38.22 12.58	105.00 -42.88 11.83	105.00 -45.25 12.12	108.00 -48.88 10.18	112.30 -58.04 8.00
8	5.00 0.00 05.04	104.30 -42.37 16.70	107.40 -42.33 12.85	108.50 -45.02 12.00	108.00 -50.17 8.81	110.40 -54.27 7.82	112.00 -58.31 3.88	118.00 -61.87 -2.23
10	11.00 -0.01 04.33	108.70 -52.73 14.36	112.10 -52.05 8.57	112.70 -55.61 4.23	117.30 -58.87 -4.34	118.00 -60.00 -8.37	117.40 -68.31 -8.92	120.40 -73.75 -10.88
15	22.01 -0.01 05.88	118.00 -72.82 -8.18	125.10 -68.28 -15.00	124.20 -68.41 -21.38	127.00 -67.38 -27.12	127.00 -67.05 -25.92	122.50 -67.37 -20.21	123.40 -61.24 -14.50
16	22.00 -0.01 05.31	118.30 -73.83 -8.53	125.30 -68.40 -15.40	123.80 -67.86 -21.05	127.00 -67.48 -27.08	127.00 -67.00 -25.92	122.80 -67.00 -20.70	123.30 -61.31 -15.03

PROPELLSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 210

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	0.00 -0.01 88.00	71.38 -32.87 17.11	72.82 -30.85 11.08	70.32 -31.50 14.84	71.44 -30.01 11.57	73.82 -43.08 18.25	75.12 -45.01 18.18	83.24 -37.01 8.81
4	0.00 -0.01 87.18	72.00 -38.83 18.48	73.29 -35.08 13.84	71.80 -37.82 18.12	73.18 -45.25 12.87	75.42 -48.12 17.21	77.14 -48.57 13.75	85.81 -41.72 4.28
6	7.89 -0.01 88.82	74.12 -43.28 20.08	78.21 -42.62 14.72	78.01 -44.08 15.82	78.88 -52.61 11.40	78.54 -55.88 14.94	80.75 -58.77 8.90	88.34 -48.12 1.80
8	12.00 -0.01 87.53	78.24 -51.31 21.28	80.36 -50.40 14.56	78.42 -52.87 14.97	82.18 -58.83 8.92	84.01 -62.72 11.10	84.38 -63.18 8.42	90.58 -53.92 -0.45
13	22.00 -0.01 87.70	80.15 -75.48 11.32	82.74 -73.13 2.02	80.18 -74.88 -3.38	85.37 -78.43 -12.88	85.51 -77.76 -11.70	82.87 -75.85 -10.57	95.66 -65.43 -8.78

PROPELLSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 220

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
15	0.00 -0.01 88.83	157.00 -18.81 7.25	160.10 -20.88 4.87	158.90 -20.20 0.84	168.40 -18.88 -1.33	172.00 -15.82 -2.32	172.80 -8.08 0.95	189.00 -7.53 0.88
16	4.05 -0.01 87.95	155.20 -28.77 -5.74	164.00 -23.17 -7.14	157.10 -18.48 -8.33	178.00 -18.07 -5.90	187.00 -14.20 -4.00	175.30 -8.94 -0.47	198.20 -8.87 -0.80
17	8.07 -0.01 87.15	163.40 -27.88 -14.84	164.10 -24.48 -8.10	162.70 -23.27 -7.18	181.00 -23.87 -8.32	187.70 -22.02 -7.96	175.70 -14.91 -4.32	191.00 -13.54 -2.71
18	12.00 -0.01 87.74	164.20 -28.82 -14.01	165.50 -25.72 -8.18	158.70 -25.20 -8.10	183.30 -28.28 -8.53	182.70 -23.88 -10.28	178.70 -18.87 -5.12	193.00 -15.20 -2.74
19	22.02 -0.01 88.57	152.00 -25.74 -17.88	154.00 -28.18 -18.78	151.80 -25.50 -18.48	178.20 -25.88 -17.97	177.10 -28.04 -13.88	183.50 -21.42 -4.41	198.00 -18.77 -3.28

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 231

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
WEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8
2	-0.01	132.40	137.00	137.00	138.10	134.70	138.40	138.00
	-0.01	-24.17	-23.70	-23.83	-28.00	-30.24	-30.25	-28.10
	07.00	0.45	0.15	0.02	0.00	0.50	0.00	0.55
4	4.00	135.00	140.00	142.10	147.50	138.10	137.00	138.50
	-0.01	-31.77	-32.13	-34.54	-35.00	-37.15	-35.41	-31.02
	07.10	0.70	0.77	0.52	2.05	0.05	0.05	-0.10
6	0.02	144.10	140.00	151.70	152.50	147.70	143.00	143.00
	-0.01	-42.47	-43.10	-43.00	-42.53	-40.81	-37.00	-33.07
	08.51	0.02	3.07	-1.02	-0.73	-0.10	-7.77	-7.33
8	12.02	155.10	163.10	162.30	161.10	153.00	148.70	143.70
	-0.01	-52.43	-50.00	-48.81	-47.51	-44.00	-40.07	-35.50
	07.02	1.04	-3.40	-10.07	-14.57	-18.30	-13.30	-11.00
13	22.02	150.20	173.30	172.10	165.00	154.30	144.00	140.10
	-0.01	-50.05	-60.40	-58.12	-54.25	-53.00	-50.50	-45.33
	03.00	-38.50	-32.44	-32.00	-30.15	-28.50	-18.00	-15.53

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 232

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
WEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8
2	0.03	04.01	00.50	07.77	00.13	00.04	00.00	00.10
	-0.01	-20.04	-25.24	-27.00	-28.00	-33.02	-34.22	-33.00
	00.03	10.15	0.05	10.04	10.31	12.34	13.70	12.07
4	4.01	00.20	100.40	00.00	100.00	00.05	00.71	00.07
	-0.01	-37.07	-31.77	-33.00	-37.30	-40.34	-40.07	-37.00
	07.03	11.02	10.00	10.00	0.71	0.70	7.05	5.71
6	0.00	103.00	107.00	107.70	107.00	103.00	101.00	102.50
	-0.01	-41.70	-40.93	-43.05	-45.70	-47.30	-40.00	-40.00
	07.00	12.20	0.03	5.02	0.10	-3.00	-4.40	-4.40
8	12.00	100.00	114.00	114.00	114.00	104.50	103.00	104.00
	-0.01	-50.00	-50.07	-51.13	-50.52	-48.81	-47.10	-40.00
	00.70	0.22	2.47	-0.25	-11.00	-14.01	-13.23	-10.33
13	22.03	122.10	128.00	128.30	128.40	120.30	111.20	104.70
	-0.01	-73.42	-60.10	-63.02	-62.10	-50.00	-57.45	-50.01
	05.05	-12.40	-17.05	-24.07	-25.10	-23.50	-10.00	-10.02

PROPELSIVE MING FLOW FIELD

RACE SUMMARY, RUN 223

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
DETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
NEIGMT	DE11	DE12	DE13	DE14	DE15	DE16	DE17	DE18
3	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.23	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00
	00.73	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-22.17	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00
	07.32	12.00	12.00	12.00	12.00	12.00	12.00	12.00
5	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	00.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
6	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	00.17	12.00	12.00	12.00	12.00	12.00	12.00	12.00
12	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	07.07	12.00	12.00	12.00	12.00	12.00	12.00	12.00

PROPELSIVE MING FLOW FIELD

RACE SUMMARY, RUN 220

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
DETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
NEIGMT	DE11	DE12	DE13	DE14	DE15	DE16	DE17	DE18
21	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	07.47	12.00	12.00	12.00	12.00	12.00	12.00	12.00
23	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	00.15	12.00	12.00	12.00	12.00	12.00	12.00	12.00
25	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	00.01	12.00	12.00	12.00	12.00	12.00	12.00	12.00
27	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	07.30	12.00	12.00	12.00	12.00	12.00	12.00	12.00
29	0.00	00.00	70.00	71.00	72.00	73.00	74.00	75.00
	-0.01	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00
	00.11	12.00	12.00	12.00	12.00	12.00	12.00	12.00

PROGRESSIVE MING FLOW FIELD

DATE SUMMARY, RUN 227

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
3	0.00	92.44	92.38	92.30	92.10	92.20	92.10	92.37
	0.00	-26.25	-26.37	-27.00	-27.12	-27.43	-26.00	-22.00
	00.20	0.00	0.31	0.50	0.71	0.50	0.37	0.50
5	2.00	97.00	96.00	96.00	96.10	96.00	96.00	96.20
	0.00	-26.10	-26.04	-27.20	-27.00	-27.00	-26.00	-26.10
	07.30	0.07	0.00	0.07	0.20	0.23	0.00	0.00
7	0.00	98.37	98.00	98.10	98.00	98.00	98.00	98.00
	0.00	-26.10	-26.00	-26.00	-26.00	-26.00	-26.00	-26.10
	00.20	10.00	7.00	0.70	0.23	0.10	0.10	0.20
9	11.00	102.40	100.00	100.00	100.00	100.00	100.00	100.00
	0.00	-26.10	-27.00	-26.00	-26.10	-26.00	-26.00	-26.00
	00.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
14	22.01	100.00	113.20	111.70	112.10	110.20	110.00	114.00
	0.00	-26.10	-26.10	-27.00	-26.10	-26.00	-26.00	-26.00
	00.00	0.00	1.00	-0.07	-0.00	-0.00	-0.00	-0.00

PROGRESSIVE MING FLOW FIELD

DATE SUMMARY, RUN 228

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALP1 DEL1	ALP2 DEL2	ALP3 DEL3	ALP4 DEL4	ALP5 DEL5	ALP6 DEL6	ALP7 DEL7	
2	-0.01 00.20	120.10 -23.10 7.20	140.10 -23.10 7.00	140.00 -24.40 7.01	141.20 -24.00 7.30	137.00 -27.10 0.00	120.10 -26.70 0.00	120.10 -26.00 0.10
4	4.07 00.07	127.00 -26.00 7.04	141.70 -26.07 7.03	142.20 -26.00 7.34	142.00 -26.10 0.00	136.00 -26.40 7.41	140.20 -26.00 0.00	140.20 -26.00 7.07
6	0.00 07.01	120.10 -26.00 0.00	142.20 -26.00 0.00	142.00 -26.10 0.22	144.10 -26.10 0.00	130.00 -26.40 0.31	140.00 -26.00 0.23	141.00 -26.10 0.00
8	12.01 00.00	141.10 -26.00 0.07	145.00 -26.10 0.44	145.00 -26.10 0.07	145.00 -26.10 1.04	140.20 -26.00 1.00	140.20 -26.00 2.47	140.00 -26.00 2.10
12	22.10 00.00	101.00 -26.00 0.00	100.00 -26.00 0.00	100.10 -26.00 -0.07	100.00 -26.10 -0.07	100.00 -26.00 -0.00	100.00 -26.00 -0.00	100.00 -26.00 -0.00

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, RUN 230

PT	ALPHA DETA HEIGHT	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17
2	-0.01 0.00 00.70	72.00 -25.00 12.10	72.00 -27.04 5.00	70.00 -37.00 7.00	72.00 -32.01 3.21	71.01 -35.34 10.00	72.47 -35.00 8.24	87.20 -34.92 4.92
4	0.00 0.00 07.01	72.40 -27.70 12.00	72.20 -27.00 7.00	72.20 -27.00 7.00	74.00 -32.01 2.70	72.00 -35.00 8.20	72.20 -35.00 7.00	87.00 -34.92 2.92
8	0.01 0.00 00.70	74.00 -27.00 12.01	74.70 -26.00 7.00	72.00 -26.00 6.00	75.00 -31.00 1.21	74.00 -32.16 7.73	74.40 -32.20 5.41	88.00 -32.20 2.80
8	12.00 00.53	75.20 -42.11 11.20	75.20 -41.70 2.00	75.12 -41.70 2.00	77.00 -44.00 -1.00	74.00 -45.77 4.20	75.40 -45.10 2.01	80.00 -35.73 1.52
12	21.00 0.00 00.00	80.00 -50.10 0.00	80.00 -53.20 1.51	80.00 -52.43 -0.24	82.00 -53.57 -0.53	79.07 -54.72 -1.33	80.72 -53.50 -2.14	85.20 -42.04 -2.53

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, RUN 230

PT	ALPHA DETA HEIGHT	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17
2	-0.01 0.00 00.70	52.11 -22.20 17.20	51.20 -20.20 2.07	48.10 -20.73 0.02	51.00 -20.34 -2.34	50.00 -20.02 12.04	50.00 -20.00 0.00	80.00 -21.00 2.00
4	0.00 0.00 00.32	52.02 -25.74 16.03	52.02 -25.74 16.03	49.57 -24.54 7.51	52.02 -24.54 -1.00	52.02 -24.54 12.04	52.02 -24.54 12.04	70.00 -24.54 2.00
8	0.00 0.00 00.00	52.15 -25.07 16.02	52.22 -25.00 16.02	50.00 -24.00 7.07	52.22 -24.00 -2.57	52.22 -24.00 12.04	52.22 -24.00 12.04	70.00 -24.00 2.00
8	12.00 00.50	52.10 -27.20 15.03	52.00 -26.10 3.00	52.00 -26.10 3.07	54.00 -26.17 -4.50	54.00 -26.17 -4.50	54.00 -26.17 -4.50	71.01 -26.00 0.01
12	21.00 0.00 00.00	61.00 -50.00 12.73	60.72 -57.42 2.43	50.00 -54.31 1.47	62.70 -54.00 -0.50	60.50 -51.50 0.00	60.77 -50.00 -2.07	75.20 -45.24 -1.20

PROGRESSIVE MINE FLOW FIELD

PI	BANK SUMMARY, RUN 240											
	ALPHA DETA MEANS	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17	VT8 ALP8 DE18	VT9 ALP9 DE19	VT10 ALP10 DE20	VT11 ALP11 DE21
2	-0.02 0.00 00.00	-24.79 20.00 20.00	27.00 -25.22 0.12	23.10 -31.52 0.00	27.00 -22.00 -8.44	27.47 -24.20 13.00	37.00 -32.20 0.00	04.00 -10.37 1.17	04.00 -10.37 1.17	04.00 -10.37 1.17	04.00 -10.37 1.17	04.00 -10.37 1.17
0	4.01 0.00 00.00	00.31 -20.10 20.10	24.10 -20.20 2.00	24.11 -20.44 0.43	20.20 -22.00 -1.87	20.00 -20.77 0.77	20.77 -20.77 0.00	04.00 -10.37 1.17	04.00 -10.37 1.17	04.00 -10.37 1.17	04.00 -10.37 1.17	04.00 -10.37 1.17
0	0.00 0.00 00.00	01.20 -22.20 21.21	27.00 -20.07 3.00	20.12 -22.27 4.37	00.00 -22.10 -2.10	00.00 -22.10 -2.10	00.00 -22.10 -2.10	00.00 -22.10 -2.10	00.00 -22.10 -2.10	00.00 -22.10 -2.10	00.00 -22.10 -2.10	00.00 -22.10 -2.10
0	11.00 0.00 00.00	02.20 -20.31 18.01	20.04 -20.00 2.00	20.12 -20.12 0.00	02.72 -22.71 -2.00	01.00 -22.00 -2.00	01.00 -22.00 -2.00	01.00 -22.00 -2.00	01.00 -22.00 -2.00	01.00 -22.00 -2.00	01.00 -22.00 -2.00	01.00 -22.00 -2.00
12	21.00 0.00 00.14	44.71 -01.04 10.05	42.27 -04.11 3.00	41.70 -00.73 2.20	40.01 -02.04 -7.00	40.01 -02.04 -7.00	40.01 -02.04 -7.00	40.01 -02.04 -7.00	40.01 -02.04 -7.00	40.01 -02.04 -7.00	40.01 -02.04 -7.00	40.01 -02.04 -7.00

PROGRESSIVE MINE FLOW FIELD

PI	BANK SUMMARY, RUN 243											
	ALPHA DETA MEANS	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17	VT8 ALP8 DE18	VT9 ALP9 DE19	VT10 ALP10 DE20	VT11 ALP11 DE21
2	0.01 0.00 00.00	100.00 -10.17 4.50	107.00 -20.00 3.20	107.00 -10.50 0.41	107.00 -17.43 0.70	107.00 -17.43 0.70	107.00 -17.43 0.70	107.00 -17.43 0.70	107.00 -17.43 0.70	107.00 -17.43 0.70	107.00 -17.43 0.70	107.00 -17.43 0.70
0	4.00 0.00 00.00	100.00 -20.20 -7.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00	100.00 -21.00 -9.00
7	7.00 0.00 00.00	100.00 -20.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00	100.00 -21.00 -12.00
0	12.01 0.00 00.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00	100.00 -22.00 -10.00
14	21.00 0.00 00.14	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20	107.00 -20.10 -17.20

PROSPECTIVE MINE FLOW FIELD

BASE SUMMARY, RUN 244

PI	VT1			VT2			VT3			VT4			VT5			VT6			VT7		
	ALPHA	BETA	HEIGHT	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16	ALP17	ALP18
2	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
4	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
6	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
8	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
10	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
12	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20

PROSPECTIVE MINE FLOW FIELD

BASE SUMMARY, RUN 244

PI	VT1			VT2			VT3			VT4			VT5			VT6			VT7		
	ALPHA	BETA	HEIGHT	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16	ALP17	ALP18
2	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
4	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
6	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
8	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
10	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20
12	0.00	0.00	0.00	121.00	124.00	127.00	137.10	122.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20	123.00	128.20

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DATE SUBMITTED, 000 240

PT	ALPHA MEDIA INTER	V11 ALP1 DET1	V12 ALP2 DET2	V13 ALP3 DET3	V14 ALP4 DET4	V15 ALP5 DET5	V16 ALP6 DET6	V17 ALP7 DET7
2	0.01 0.02 0.02	02.03 -19.00 17.87	72.00 -37.27 0.00	71.00 -20.00 11.00	71.03 -22.02 0.26	70.00 -24.77 14.00	71.79 -26.50 14.04	70.10 -10.00 10.00
4	0.00 0.00 0.00	70.00 -24.53 12.00	72.00 -22.00 0.00	72.12 -24.10 10.73	72.01 -20.70 7.49	72.24 -22.00 12.00	72.72 -40.53 11.14	70.01 -24.00 7.70
6	0.00 0.01 0.01	74.01 -42.70 19.31	70.70 -40.00 11.00	70.02 -42.00 11.76	77.20 -40.00 0.00	76.73 -47.01 0.10	77.10 -40.07 0.04	00.07 -32.01 1.00
8	11.00 0.03 0.03	00.00 -09.00 10.70	04.14 -08.14 12.00	04.03 -12.00 10.37	00.27 -08.37 3.47	03.12 -16.20 -0.00	02.01 -53.10 -0.00	07.22 -12.71 -0.00
10	22.00 0.00 0.07	72.00 -04.74 07.57	71.07 -11.03 -10.70	77.07 -22.00 -22.03	00.20 -06.01 -24.04	02.50 -12.03 -10.00	01.00 -00.02 -27.70	00.00 -10.00 -10.00

REPUBLICAN UNION FILED

DATE SUBMITTED, 000 000

PI	ALPHA	DELTA	THETA	V11	V12	V13	V14	V15	V16	V17
	ALP1	DEL1	THE1	ALP1	DEL1	ALP1	DEL1	ALP1	DEL1	ALP1
2	0.01	0.00	0.00	49.19	31.09	49.36	49.09	54.39	44.31	55.91
	0.00	0.00	0.00	-26.42	-39.26	-31.09	-28.97	-39.14	-30.06	-30.06
	0.00	0.00	0.00	18.12	0.76	11.00	20.82	18.09	16.79	16.06
4	4.01	0.00	0.00	34.02	32.08	31.24	31.22	32.99	32.04	30.06
	0.00	0.00	0.00	-34.17	-34.33	-35.47	-42.57	-42.41	-44.78	-34.06
	0.00	0.00	0.00	18.56	16.72	12.09	7.99	17.82	14.79	8.09
6	2.00	0.00	0.00	53.39	53.04	52.83	52.82	54.04	54.39	52.09
	0.00	0.00	0.00	-43.16	-49.06	-42.56	-46.83	-48.57	-48.72	-50.59
	0.00	0.00	0.00	17.01	11.26	12.31	8.16	16.09	12.42	7.07
8	11.00	0.00	0.00	32.22	32.41	34.37	34.35	36.19	34.29	37.26
	0.00	0.00	0.00	-46.51	-42.71	-42.89	-51.14	-51.06	-52.19	-52.61
	0.00	0.00	0.00	16.51	13.67	12.89	8.17	12.13	7.47	3.16
10	22.00	0.00	0.00	37.44	38.46	37.91	38.99	37.82	38.09	39.07
	0.00	0.00	0.00	-37.17	-41.76	-40.16	-37.71	-37.52	-38.09	-38.06
	0.00	0.00	0.00	26.24	11.37	7.47	-2.30	-2.06	-1.99	-1.24

PROPELLSIVE MINE FLOW FIELD

PT	NAME SUMMARY, RUN 200									
	ALPHA DETA MEIGBY	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17	VT8 ALP8 DE18	VT9 ALP9 DE19
3	0.00 0.00 00.30	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
5	0.00 0.00 07.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
7	0.00 0.00 07.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
9	0.00 0.00 07.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
10	0.00 0.00 00.11	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00

PROPELLSIVE MINE FLOW FIELD

PT	NAME SUMMARY, RUN 200									
	ALPHA DETA MEIGBY	VT1 ALP1 DE11	VT2 ALP2 DE12	VT3 ALP3 DE13	VT4 ALP4 DE14	VT5 ALP5 DE15	VT6 ALP6 DE16	VT7 ALP7 DE17	VT8 ALP8 DE18	VT9 ALP9 DE19
2	0.00 0.00 00.31	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
4	0.00 0.00 07.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
6	0.00 0.00 07.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
8	0.00 0.00 07.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00
10	0.00 0.00 00.11	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00	10.10 -10.10 0.00

PROPELLSIVE MINE FLOW FIELD

RANK SUMMARY, RUN 297

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	-0.04	122.10	126.00	128.20	128.20	152.20	372.40	216.00
	0.00	-10.00	-17.01	-17.21	-18.40	-19.77	-18.22	-27.04
	07.40	0.00	7.34	7.73	7.06	0.20	5.23	1.01
4	4.63	122.00	126.10	127.20	128.20	151.00	365.40	162.20
	0.00	-21.17	-20.10	-20.40	-21.72	-18.87	-20.20	-24.87
	07.00	7.40	7.57	7.84	7.06	7.58	5.01	-1.10
6	0.01	124.10	126.50	128.20	127.00	172.00	204.00	171.10
	0.00	-24.20	-22.97	-23.47	-24.87	-21.20	-24.15	-28.72
	07.43	7.71	7.90	7.83	0.83	0.50	2.22	-3.01
8	12.02	125.50	126.70	128.10	127.00	168.70	204.70	167.00
	0.00	-27.00	-26.83	-26.80	-27.00	-23.10	-26.01	-28.20
	08.37	0.00	8.52	8.42	2.42	0.20	3.40	-5.77
12	22.02	140.00	142.00	141.10	137.20	214.00	240.00	175.20
	0.00	-22.20	-20.13	-20.00	-24.37	-20.00	-27.20	-28.10
	08.23	1.20	-3.00	-0.77	-11.00	-1.20	1.22	-7.07

PROPELLSIVE MINE FLOW FIELD

RANK SUMMARY, RUN 298

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	-0.02	02.00	06.00	00.42	00.00	102.00	202.70	207.00
	00.10	-00.04	-10.52	-10.42	-11.50	-10.52	-10.21	-24.20
		7.47	7.20	7.00	0.10	0.20	0.72	2.00
4	4.02	02.24	06.42	00.50	00.00	102.20	212.20	202.00
	0.00	-04.00	-22.24	-22.20	-22.10	-22.20	-20.10	-27.01
	08.20	0.10	7.04	7.00	7.10	3.63	0.72	2.07
6	0.03	04.50	00.70	07.00	00.57	112.20	207.00	227.00
	0.00	-20.04	-20.20	-20.27	-20.20	-20.00	-21.20	-21.20
	07.17	0.20	7.22	0.00	0.00	7.20	0.14	1.22
8	12.02	00.00	00.10	00.50	07.02	122.00	242.10	220.70
	0.00	-22.11	-20.00	-20.42	-21.12	-20.04	-27.00	-24.00
	08.23	7.40	0.52	0.47	2.22	0.22	0.20	1.01
10	22.07	107.20	100.00	101.50	100.20	122.00	240.50	100.10
	0.00	-01.00	-20.50	-22.57	-24.50	-22.70	-27.11	-42.20
	08.01	3.40	0.44	-3.00	-11.10	-0.27	2.00	-2.00

PROGRESSIVE MINE FLOW FIELD

NAME SUMMARY, RUN 202													
PI	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	VT8	VT9	VT10	VT11	VT12
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12
	ME1001	ME11	ME12	ME13	ME14	ME15	ME16	ME17	ME18	ME19	ME20	ME21	ME22
3	-0.02	164.70	162.00	161.00	160.20	159.50	158.80	158.10	157.40	156.70	156.00	155.30	154.60
	0.00	-10.44	-17.00	-24.00	-31.00	-38.00	-45.00	-52.00	-59.00	-66.00	-73.00	-80.00	-87.00
	00.03	5.01	1.03	-0.00	-1.37	-2.80	-4.30	-5.80	-7.30	-8.80	-10.30	-11.80	-13.30
5	4.02	161.20	160.00	158.00	156.00	154.00	152.00	150.00	148.00	146.00	144.00	142.00	140.00
	0.00	-24.20	-40.00	-56.00	-72.00	-88.00	-104.00	-120.00	-136.00	-152.00	-168.00	-184.00	-200.00
	00.07	-8.07	-4.24	-2.41	-1.00	0.43	1.80	3.10	4.50	5.90	7.30	8.70	10.10
7	0.00	160.00	161.70	163.00	164.00	165.00	166.00	167.00	168.00	169.00	170.00	171.00	172.00
	0.00	-21.24	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
	00.03	-7.17	-3.00	-2.10	-1.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	12.07	160.10	161.00	162.00	163.00	164.00	165.00	166.00	167.00	168.00	169.00	170.00	171.00
	0.00	-21.20	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
	07.00	-8.00	-4.14	-2.04	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	22.00	167.00	168.00	169.00	170.00	171.00	172.00	173.00	174.00	175.00	176.00	177.00	178.00
	0.00	-20.73	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00
	07.12	-12.40	-11.70	-12.00	-12.00	-12.00	-12.00	-12.00	-12.00	-12.00	-12.00	-12.00	-12.00

PROGRESSIVE MINE FLOW FIELD

NAME SUMMARY, RUN 200													
PI	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	VT8	VT9	VT10	VT11	VT12
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12
	ME1001	ME11	ME12	ME13	ME14	ME15	ME16	ME17	ME18	ME19	ME20	ME21	ME22
3	-0.01	04.47	06.41	07.20	08.70	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
	0.00	-20.07	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00
	07.00	0.07	1.10	1.02	1.77	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4.00	00.04	00.02	07.07	07.31	74.04	204.00	200.00	200.00	200.00	200.00	200.00	200.00
	0.00	-00.03	-20.20	-20.10	-20.20	-20.30	-20.40	-20.50	-20.60	-20.70	-20.80	-20.90	-21.00
	00.20	0.07	7.01	0.00	7.10	0.33	0.77	3.00	3.00	3.00	3.00	3.00	3.00
6	0.00	00.20	70.20	00.11	00.01	70.01	201.00	203.00	203.00	203.00	203.00	203.00	203.00
	0.00	-21.10	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00
	00.04	10.00	7.24	7.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12.02	07.00	70.00	70.00	00.02	00.02	270.10	270.00	270.00	270.00	270.00	270.00	270.00
	0.00	-27.07	-24.00	-23.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00
	07.20	0.00	0.74	0.12	2.04	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	22.00	72.00	77.07	70.00	70.00	00.01	200.00	200.00	200.00	200.00	200.00	200.00	200.00
	0.00	-07.24	-02.01	-20.20	-20.11	-20.12	-20.12	-20.12	-20.12	-20.12	-20.12	-20.12	-20.12
	00.00	0.37	1.00	-0.00	-0.11	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRESSIVE MINE FLOW FIELD

BASE SUMMARY, SUB 263

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	0.01	124.20	140.00	141.20	140.50	145.00	375.20	210.40
	0.00	-23.20	-32.00	-24.50	-24.70	-20.25	-18.30	-10.10
	07.30	10.30	0.00	0.00	1.70	1.11	1.04	-0.00
4	0.00	157.00	161.50	160.10	163.00	152.00	352.20	200.10
	0.00	-33.37	-34.40	-32.07	-26.23	-22.54	-20.00	-23.20
	07.00	11.70	3.00	-8.20	-0.00	-0.70	0.00	-2.21
6	0.03	163.00	168.10	152.20	165.00	160.40	381.70	100.70
	0.00	-48.00	-38.20	-31.02	-28.00	-24.00	-23.07	-25.00
	00.00	-0.47	-13.20	-15.70	-14.21	0.24	0.10	-3.02
8	12.00	160.00	160.20	160.00	163.00	160.20	374.10	170.00
	0.00	-41.00	-25.00	-22.20	-20.40	-20.23	-27.00	-20.00
	00.33	-20.77	-17.20	-18.27	-18.40	-16.01	-0.25	-3.47
10	22.00	150.00	150.00	147.20	161.00	160.20	381.00	157.00
	0.00	-42.00	-41.20	-30.00	-28.40	-22.53	-25.20	-25.21
	04.00	-20.70	-18.00	-17.00	-15.43	-0.24	-0.41	-4.50

PROGRESSIVE MINE FLOW FIELD

BASE SUMMARY, SUB 264

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	0.02	90.00	101.00	102.50	103.20	100.00	317.00	240.20
	0.00	-24.42	-22.73	-23.07	-20.00	-22.50	-10.20	-21.00
	07.00	11.75	10.02	10.07	5.00	4.00	2.07	-0.31
4	0.02	104.00	112.70	110.00	105.00	100.20	310.00	220.10
	0.00	-34.07	-22.00	-34.27	-32.70	-27.20	-20.13	-20.73
	00.01	14.02	0.00	3.23	-5.20	-0.50	0.00	-0.37
6	0.01	122.00	122.00	112.20	100.00	112.10	320.00	231.00
	0.00	-40.25	-42.00	-37.70	-32.00	-20.10	-22.00	-20.20
	00.04	7.74	-0.00	-14.10	-14.03	-11.10	-0.01	-0.00
8	11.00	124.00	120.00	110.00	100.00	110.00	324.00	220.00
	0.00	-40.41	-41.00	-30.01	-24.74	-20.01	-27.40	-24.43
	00.04	-10.04	-10.40	-10.20	-10.02	-13.01	-0.20	-1.00
10	22.00	120.00	120.00	112.00	100.10	124.20	320.20	194.70
	0.00	-47.03	-40.25	-42.11	-41.03	-20.13	-20.23	-22.20
	07.24	-23.00	-22.11	-20.02	-22.20	-13.00	-0.01	-1.70

PROBULSIVE MING FLOW FIELD

PT	DATE SUMMARY, RUN 208											
	ALPHA DETA MEIOME	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17				
2	0.01 0.00 07.20	72.44 -27.53 16.21	72.44 -27.47 0.45	72.44 -27.44 11.45	74.76 -27.45 0.30	76.79 -22.56 8.06	377.10 -16.37 2.60	268.20 -23.36 0.62				
4	0.01 0.00 07.16	74.43 -24.14 16.21	81.00 -26.34 12.20	82.32 -21.66 16.77	81.72 -25.76 3.74	83.17 -21.15 -0.14	371.30 -20.30 1.16	260.00 -26.06 -0.64				
6	0.00 0.00 07.08	80.00 -43.70 17.70	80.23 -42.37 7.03	84.70 -42.81 -1.06	82.34 -46.74 -12.44	84.70 -44.11 -16.73	374.30 -24.50 -0.12	265.00 -26.06 -0.61				
8	12.07 0.00 08.07	94.01 -48.10 3.75	94.01 -48.20 -0.03	94.01 -48.30 -15.63	94.01 -48.40 -18.04	94.01 -48.50 -18.16	384.00 -26.30 -0.41	264.00 -27.71 -0.76				
13	22.01 0.00 08.46	96.17 -47.46 -27.73	96.46 -46.75 -23.61	96.46 -46.01 -25.11	96.46 -45.13 -21.22	96.46 -44.11 -20.30	385.00 -27.01 -1.13	264.00 -24.74 -0.65				

PROBULSIVE MING FLOW FIELD

PT	DATE SUMMARY, RUN 273											
	ALPHA DETA MEIOME	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17				
3	0.01 0.00 02.76	157.20 -14.63 5.16	166.00 -14.75 5.32	167.00 -15.00 5.78	168.30 -15.00 7.02	168.30 -15.00 7.02	116.40 -15.00 10.16	122.10 -15.35 7.07				
5	3.00 0.00 02.00	156.00 -17.00 5.00	166.00 -17.16 5.01	167.00 -18.00 5.42	168.30 -18.00 7.43	168.30 -18.00 7.43	122.10 -18.00 10.16	122.10 -18.00 10.16				
7	0.02 0.00 02.30	164.00 -17.07 5.01	166.10 -18.24 4.46	168.10 -18.24 5.41	168.30 -18.24 7.71	168.30 -18.24 7.71	122.10 -18.24 10.16	122.10 -18.24 10.16				
8	12.01 0.00 02.00	156.20 -20.11 4.13	166.00 -20.42 2.00	168.00 -20.42 2.00	168.30 -20.42 2.00	168.30 -20.42 2.00	122.10 -20.42 10.16	122.10 -20.42 10.16				
11	21.07 0.00 07.01	93.00 -41.01 -47.01	97.07 -41.01 -44.00	97.07 -41.01 -44.00	97.07 -41.01 -44.00	97.07 -41.01 -44.00	105.30 -41.01 -44.00	105.30 -41.01 -44.00				

PROPULSIVE MING FLOW FIELD

RANK SUMMARY, RUN 274

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	0.01 0.00 01.81	91.99 -20.73 11.22	94.00 -18.43 12.02	94.60 -20.51 14.00	92.81 -23.26 10.81	88.91 -23.52 20.16	80.02 -23.55 20.32	92.17 -17.72 18.13
4	4.00 0.00 00.00	82.82 -24.01 12.75	88.10 -22.74 13.16	88.06 -22.57 15.06	83.29 -26.39 17.81	84.80 -27.82 18.44	80.80 -26.48 18.37	80.74 -26.07 15.77
6	8.03 0.00 00.42	94.37 -27.61 12.05	97.41 -28.34 13.11	98.60 -27.53 15.42	94.44 -29.99 17.43	85.90 -30.04 18.04	84.13 -27.58 18.15	82.14 -21.73 14.05
7	12.00 0.00 00.11	97.60 -33.70 10.12	100.40 -32.13 9.03	98.02 -32.35 8.14	97.59 -33.50 8.71	92.53 -33.04 12.01	84.41 -31.20 15.70	86.46 -24.00 14.41
10	22.00 0.00 00.73	80.15 -44.73 11.90	79.58 -45.70 8.70	85.82 -48.63 0.22	51.50 -71.05 -12.81	35.86 -66.83 -14.50	33.04 -53.20 -6.24	82.36 -28.61 2.51

PROPULSIVE MING FLOW FIELD

RANK SUMMARY, RUN 275

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	0.02 0.00 00.72	95.30 -22.75 12.05	97.73 -20.02 11.70	98.80 -21.52 14.78	95.06 -25.13 18.00	82.20 -24.87 20.00	87.72 -25.70 21.47	87.05 -17.05 15.07
4	3.80 0.00 00.66	80.22 -25.94 14.32	88.40 -24.45 13.00	87.17 -25.44 16.30	88.40 -28.71 17.74	82.25 -28.52 20.02	87.43 -28.75 20.02	86.94 -26.93 14.00
6	8.00 0.00 07.10	85.81 -30.20 14.40	88.50 -27.00 12.87	88.91 -28.00 15.28	87.40 -31.93 17.10	82.81 -31.23 21.72	88.04 -31.74 21.01	71.00 -23.70 14.07
7	12.00 0.00 00.90	80.50 -35.52 13.58	72.30 -34.50 11.00	71.91 -35.53 12.82	70.45 -38.75 12.17	84.13 -38.18 14.55	82.91 -40.94 13.00	85.81 -36.77 8.00
10	22.01 0.00 00.80	67.25 -63.71 12.81	61.90 -62.48 8.78	50.85 -68.58 4.76	41.83 -75.22 -7.43	28.72 -75.17 -5.76	23.93 -87.83 -4.13	87.17 -50.71 5.10

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 276

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
2	0.00 0.00 08.13	44.99 -25.51 14.05	47.47 -20.78 11.18	48.84 -22.40 15.30	44.78 -27.38 15.65	42.90 -26.87 22.70	38.35 -31.52 20.59	48.97 -18.53 12.78
4	4.02 0.00 07.76	45.88 -28.37 15.85	47.89 -25.26 12.79	48.95 -27.02 16.18	48.11 -32.34 17.83	44.42 -28.73 22.84	40.83 -34.84 21.45	50.42 -32.28 13.34
6	8.02 0.00 05.00	47.15 -33.15 18.00	48.21 -28.48 12.73	48.28 -26.59 15.37	47.29 -25.71 18.38	45.58 -33.84 21.04	41.58 -38.04 18.25	51.53 -28.30 12.46
7	11.99 0.00 07.34	48.35 -38.32 17.00	51.44 -32.97 12.44	48.98 -37.29 18.22	48.87 -42.49 15.14	48.00 -42.15 18.87	41.38 -47.82 14.00	48.98 -31.38 7.49
10	21.98 0.00 08.96	51.24 -51.48 18.15	48.85 -41.48 9.40	41.81 -47.33 16.44	37.78 -74.37 -4.98	28.11 -71.21 -2.81	23.74 -73.76 -8.87	41.57 -32.05 8.67

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 277

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
2	-0.91 5.01 07.88	45.30 -24.28 18.11	47.71 -20.40 15.71	48.33 -21.70 18.09	45.80 -27.88 20.87	44.24 -24.80 28.98	38.81 -31.88 28.71	48.18 -18.25 18.17
4	4.02 5.01 01.48	45.78 -27.51 20.52	48.11 -24.21 18.41	48.93 -28.85 20.87	48.47 -31.12 20.83	45.28 -28.75 25.70	41.72 -32.41 25.37	48.84 -23.51 18.82
6	7.99 5.01 00.39	47.70 -31.57 20.73	51.23 -28.77 14.93	47.78 -30.76 20.58	47.87 -33.27 18.86	47.28 -37.48 24.16	42.97 -47.83 24.32	50.97 -25.25 13.82
7	11.99 5.01 07.88	48.82 -38.35 20.52	50.90 -33.70 18.33	49.84 -35.51 18.42	48.87 -40.70 18.58	45.18 -41.04 23.17	38.53 -47.83 18.20	48.18 -28.44 8.70
10	22.00 5.01 08.08	50.87 -50.70 20.81	48.18 -40.04 12.88	43.01 -82.50 8.87	37.93 -87.88 -8.03	28.15 -83.58 -8.57	23.47 -82.22 -7.45	42.28 -38.08 8.42

PROPELLSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 276

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DET1	DET2	DET3	DET4	DET5	DET6	DET7
2	-0.01	64.81	87.87	87.00	88.82	82.17	88.72	87.59
	5.01	-21.41	-18.23	-26.41	-23.83	-21.06	-21.26	-18.96
	88.42	16.91	15.77	16.88	21.08	24.42	25.87	18.25

PROPELLSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 289

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DET1	DET2	DET3	DET4	DET5	DET6	DET7
3	0.01	157.30	182.00	157.00	168.00	112.30	111.80	148.70
	0.00	-14.87	-14.27	-15.87	-18.48	-20.20	-7.74	-3.88
	86.74	4.53	3.87	2.51	4.00	10.84	14.58	8.88
8	2.88	158.20	182.80	155.20	132.10	88.25	117.80	148.20
	0.00	-17.46	-18.48	-18.41	-22.18	-17.83	-4.28	-4.28
	87.14	4.87	3.54	2.88	4.10	15.13	14.84	4.22
8	0.02	153.00	158.40	148.70	115.70	88.44	112.80	148.80
	-0.01	-18.21	-17.15	-20.44	-24.48	-15.78	-7.28	-8.72
	87.55	4.84	2.42	2.74	5.42	15.20	11.81	1.88
9	12.02	154.00	155.60	138.80	103.80	84.81	105.80	148.20
	0.00	-18.71	-18.47	-22.84	-24.88	-18.80	-10.87	-10.22
	88.12	3.23	0.77	2.15	0.53	8.42	5.85	-0.50
12	21.88	85.08	78.01	74.88	71.83	84.87	148.80	188.80
	-0.81	-42.34	-37.84	-25.88	-25.43	-8.42	-8.28	-12.88
	87.88	-48.13	-48.28	-48.85	-48.33	-20.25	-8.83	-3.48

PROPULSIVE MING FLOW FIELD

BAKE SUMMARY, RUN 304

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	0.00	20.11	20.00	22.00	20.20	20.10	20.00	40.00
	0.00	-27.52	-22.41	-20.31	-43.00	-00.12	-07.42	-20.01
	00.51	22.04	7.51	14.70	7.04	10.04	14.42	0.00
4	0.01	20.53	20.20	20.43	20.04	20.07	27.07	47.00
	0.00	-00.47	-20.01	-22.01	-04.20	-03.20	-04.01	-20.00
	04.04	22.13	0.00	10.07	10.14	10.20	10.20	11.07
6	7.00	27.52	00.74	20.04	27.22	20.22	20.00	47.07
	0.00	-03.02	-22.50	-20.70	-00.42	-00.50	-04.70	-20.43
	04.20	22.00	0.00	10.57	11.00	21.00	20.07	11.07
7	11.00	20.23	00.27	20.23	27.00	20.00	27.01	42.00
	0.00	-07.20	-20.04	-04.00	-03.70	-01.00	-02.00	-20.43
	04.03	24.00	11.11	10.72	11.00	22.22	17.40	0.37
10	21.00	01.24	02.00	20.17	00.00	20.52	20.47	42.00
	0.00	-04.00	-04.20	-02.00	-00.00	-71.10	-70.03	-01.03
	00.10	20.43	12.00	17.10	5.14	11.74	-0.71	3.04

PROPULSIVE MING FLOW FIELD

BAKE SUMMARY, RUN 305

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	0.01	51.07	54.00	52.02	52.20	52.22	54.20	02.00
	0.00	-24.20	-20.77	-20.14	-24.31	-24.07	-20.42	-20.42
	00.51	10.00	0.74	13.00	12.22	10.00	10.21	17.00
4	0.04	52.00	50.41	52.01	52.01	54.22	50.20	02.20
	0.00	-24.20	-20.01	-21.00	-20.02	-20.04	-22.21	-24.00
	07.50	10.03	11.20	10.10	13.00	10.01	21.70	10.00
6	0.00	52.02	50.77	52.02	54.02	54.00	50.04	02.02
	0.00	-24.20	-20.20	-27.00	-22.01	-24.00	-20.00	-20.04
	00.22	17.01	11.04	10.70	13.10	10.70	20.02	17.77
7	11.00	54.04	50.04	54.07	50.00	50.00	50.01	02.04
	0.00	-22.20	-00.02	-02.00	-02.00	-00.00	-00.20	-00.20
	07.70	10.00	12.14	10.04	12.00	10.20	10.00	12.70
10	22.04	54.00	50.01	50.04	50.00	50.04	57.72	00.00
	0.00	-21.04	-00.27	-02.00	-00.21	-00.42	-72.10	-00.00
	00.20	10.00	10.00	11.22	2.37	0.57	2.02	2.21

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, RUN 300

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
2	0.02	72.40	75.07	74.63	74.50	74.31	73.07	73.00
	0.00	-24.00	-24.00	-25.00	-24.00	-23.24	-23.00	-22.51
	00.00	12.30	10.70	12.00	12.13	10.70	25.01	24.20
4	0.00	72.25	75.00	75.00	75.00	75.00	75.00	75.00
	0.00	-20.75	-20.75	-20.41	-24.32	-20.42	-20.31	-27.03
	07.02	14.00	12.40	14.00	14.00	20.63	24.00	24.00
6	0.07	74.63	75.00	77.24	77.00	77.42	75.00	84.20
	0.00	-20.12	-23.00	-25.00	-20.37	-21.02	-25.17	-42.01
	00.20	14.07	11.00	12.50	12.70	17.40	15.00	10.83
7	11.00	75.03	80.07	78.04	80.20	78.00	75.42	81.07
	07.10	-21.40	-20.00	-21.22	-24.00	-27.43	-31.40	-40.00
		14.02	11.72	13.07	11.50	15.02	15.15	12.40
10	22.01	80.75	84.04	80.00	84.37	80.12	85.03	86.50
	0.00	-20.50	-24.70	-31.41	-24.21	-20.07	-20.07	-20.04
	00.15	11.00	0.04	4.75	-1.22	-2.00	-4.04	-3.00

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, RUN 307

PT	ALPHA DELTA HEIGHT	VT1 ALP1 DEL1	VT2 ALP2 DEL2	VT3 ALP3 DEL3	VT4 ALP4 DEL4	VT5 ALP5 DEL5	VT6 ALP6 DEL6	VT7 ALP7 DEL7
2	0.02 0.00 00.31	102.00 -24.00 11.51	107.00 -23.42 11.42	107.00 -25.52 12.72	107.00 -28.00 15.07	107.00 -22.00 20.00	107.00 -20.04 24.47	111.00 -20.12 24.74
4	0.00 0.00 05.00	104.50 -20.40 12.01	108.70 -27.20 12.37	108.40 -28.20 14.42	108.00 -32.82 15.54	108.00 -20.20 20.77	110.00 -20.51 22.07	114.10 -40.00 24.01
6	7.00 0.00 04.30	107.20 -32.20 12.32	111.00 -32.04 11.30	111.20 -32.82 12.01	112.10 -36.52 12.05	111.20 -20.00 15.00	112.00 -43.40 20.02	117.20 -45.00 22.52
7	12.02 0.00 07.50	111.10 -20.00 11.40	115.00 -30.14 11.40	115.00 -20.55 0.02	116.10 -41.72 0.00	114.00 -44.25 0.42	115.10 -40.52 10.44	120.20 -47.27 11.50
10	22.00 0.00 00.04	122.00 -40.01 0.70	127.20 -57.40 2.04	125.50 -50.11 -0.50	124.00 -60.20 -3.00	124.00 -62.10 -6.32	122.00 -63.31 -0.10	120.00 -61.11 -0.30

PROPOSITIVE MING FLOW FIELD

BASE SUMMARY, RUN 316

PT	ALPHA DETA MEIOMI	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17
2	-0.02 -0.01 00.72	22.27 -12.00 -11.00	22.24 -22.00 -22.00	41.50 -42.04 21.16	44.12 -24.01 20.20	22.07 -20.20 24.00	20.02 -27.72 20.52	40.00 -20.00 20.00
4	4.02 -0.01 00.00	21.27 -20.20 -10.03	25.22 -20.20 -20.20	42.00 -47.07 24.51	47.00 -20.70 27.00	20.44 -20.20 20.22	20.00 -21.20 20.47	00.70 -24.52 20.00
6	7.00 -0.01 00.57	21.24 -20.04 -4.00	27.00 -22.24 -20.20	40.20 -22.07 20.00	47.01 -22.50 20.00	27.00 -22.11 27.00	40.27 -24.77 20.20	00.20 -27.22 20.41
7	11.00 -0.01 00.70	20.42 -20.70 -0.20	27.72 -25.10 20.20	44.10 -24.10 24.42	47.07 -20.22 20.01	20.04 -20.22 20.10	20.17 -20.04 40.04	00.01 -20.02 22.22
10	21.00 -0.01 00.52	21.04 -20.20 2.00	20.70 -20.70 20.41	42.21 -27.70 27.00	40.10 -27.72 40.01	27.10 -20.20 40.02	22.10 -20.00 27.22	00.00 -21.01 20.10

PROPOSITIVE MING FLOW FIELD

BASE SUMMARY, RUN 316

PT	ALPHA DETA MEIOMI	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17
3	-0.01 -0.01 07.20	40.00 -20.52 10.50	51.22 -20.44 17.00	52.10 -20.11 10.45	52.42 -20.00 10.00	51.40 -21.20 20.52	50.71 -21.00 20.20	52.52 -21.24 20.00
4	3.01 -0.01 07.07	40.00 -20.22 10.44	52.10 -20.01 17.00	52.70 -20.17 10.00	52.40 -21.04 10.52	52.20 -22.00 20.31	52.21 -22.00 20.00	54.71 -22.00 22.20
6	0.00 -0.01 07.70	50.20 -24.04 20.70	52.40 -24.10 22.00	50.00 -24.22 22.00	50.02 -20.00 22.00	54.00 -20.24 20.07	54.51 -27.07 27.21	57.20 -20.47 27.40
7	12.04 -0.01 07.20	52.40 -22.20 20.42	50.22 -22.00 20.20	50.22 -24.50 24.50	50.07 -20.01 21.20	40.20 -20.00 27.00	40.17 -20.07 21.00	50.17 -20.72 21.10
10	27.01 -0.01 00.20	52.20 -20.00 2.47	50.10 -20.00 -1.00	54.24 -22.74 -7.04	52.42 -21.27 -12.70	51.57 -22.22 -12.72	50.20 -22.00 -10.22	50.04 -21.01 -4.00

PROBABILISTIC WIND FLOW FIELD

RANK SUMMARY, RUN 317

PT	ALPHA DETA HEIGHT	VT1 ALP1 DETA	VT2 ALP2 DETA	VT3 ALP3 DETA	VT4 ALP4 DETA	VT5 ALP5 DETA	VT6 ALP6 DETA	VT7 ALP7 DETA
2	4.00 -0.01 87.75	70.20 -25.57 11.34	72.04 -25.10 12.83	74.87 -25.22 13.01	77.40 -25.26 13.00	79.10 -25.07 12.76	80.76 -24.86 12.50	82.40 -24.64 12.23
4	4.00 -0.01 88.97	70.20 -25.57 11.34	72.04 -25.10 12.83	74.87 -25.22 13.01	77.40 -25.26 13.00	79.10 -25.07 12.76	80.76 -24.86 12.50	82.40 -24.64 12.23
6	4.00 -0.01 87.83	70.20 -25.57 11.34	72.04 -25.10 12.83	74.87 -25.22 13.01	77.40 -25.26 13.00	79.10 -25.07 12.76	80.76 -24.86 12.50	82.40 -24.64 12.23
7	12.07 -0.01 88.00	70.20 -25.57 11.34	72.04 -25.10 12.83	74.87 -25.22 13.01	77.40 -25.26 13.00	79.10 -25.07 12.76	80.76 -24.86 12.50	82.40 -24.64 12.23
10	22.04 -0.01 97.42	70.20 -25.57 11.34	72.04 -25.10 12.83	74.87 -25.22 13.01	77.40 -25.26 13.00	79.10 -25.07 12.76	80.76 -24.86 12.50	82.40 -24.64 12.23

PROBABILISTIC WIND FLOW FIELD

RANK SUMMARY, RUN 318

PT	ALPHA DETA HEIGHT	VT1 ALP1 DETA	VT2 ALP2 DETA	VT3 ALP3 DETA	VT4 ALP4 DETA	VT5 ALP5 DETA	VT6 ALP6 DETA	VT7 ALP7 DETA
2	4.00 -0.01 87.55	100.50 -21.41 10.87	102.70 -21.41 12.33	105.00 -22.74 13.17	107.30 -23.08 14.28	109.60 -23.44 15.00	111.90 -23.77 15.44	114.20 -24.08 15.77
4	4.00 -0.01 87.78	100.50 -21.41 10.87	102.70 -21.41 12.33	105.00 -22.74 13.17	107.30 -23.08 14.28	109.60 -23.44 15.00	111.90 -23.77 15.44	114.20 -24.08 15.77
6	4.00 -0.01 88.34	100.50 -21.41 10.87	102.70 -21.41 12.33	105.00 -22.74 13.17	107.30 -23.08 14.28	109.60 -23.44 15.00	111.90 -23.77 15.44	114.20 -24.08 15.77
7	12.07 -0.01 87.07	100.50 -21.41 10.87	102.70 -21.41 12.33	105.00 -22.74 13.17	107.30 -23.08 14.28	109.60 -23.44 15.00	111.90 -23.77 15.44	114.20 -24.08 15.77
8	16.00 -0.01 87.50	100.50 -21.41 10.87	102.70 -21.41 12.33	105.00 -22.74 13.17	107.30 -23.08 14.28	109.60 -23.44 15.00	111.90 -23.77 15.44	114.20 -24.08 15.77
10	22.04 -0.01 95.78	100.50 -21.41 10.87	102.70 -21.41 12.33	105.00 -22.74 13.17	107.30 -23.08 14.28	109.60 -23.44 15.00	111.90 -23.77 15.44	114.20 -24.08 15.77

PROGRESSIVE MINE FLOW FIELD

RARE SUMMARY, RUN 201

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
1	0.00	24.12	41.79	27.07	44.09	18.88	24.01	32.75
	0.00	-28.84	-8.07	28.13	-1.00	-18.94	-3.39	-12.88
	0.00	48.01	-12.83	-22.17	-28.30	11.42	-81.17	-3.48
2	0.04	32.89	28.79	27.04	44.09	28.14	34.00	50.82
	0.00	-28.84	-8.07	28.13	-1.00	-18.94	-3.39	-12.88
	0.00	48.01	-12.83	-22.17	-28.30	11.42	-81.17	-3.48
3	0.04	32.89	28.79	27.04	44.09	28.14	34.00	50.82
	0.00	-28.84	-8.07	28.13	-1.00	-18.94	-3.39	-12.88
	0.00	48.01	-12.83	-22.17	-28.30	11.42	-81.17	-3.48

PROGRESSIVE MINE FLOW FIELD

RARE SUMMARY, RUN 220

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
2	-0.01	28.88	37.28	24.27	32.10	18.28	21.00	47.11
	0.00	-18.04	-0.82	48.27	2.24	-24.42	0.10	-0.51
	18.88	-43.76	-14.54	-24.87	-28.76	10.02	-85.48	-4.08
3	-0.01	31.10	34.81	28.22	38.37	20.49	22.00	47.87
	0.00	-18.28	-1.10	44.88	2.88	-18.84	-1.18	-0.97
	18.88	-47.00	-18.00	-21.88	-28.88	12.81	-88.88	-3.88
4	-0.03	32.22	38.88	24.11	38.84	21.88	22.82	47.82
	0.00	-18.84	-0.81	48.78	2.81	-28.84	0.54	-0.88
	32.22	-48.84	-18.27	-23.88	-28.84	14.88	-88.84	-4.88
5	-0.04	32.28	38.82	28.71	41.00	22.27	28.74	51.97
	0.00	-28.18	-0.88	48.48	4.84	-24.48	-1.82	-0.98
	88.81	-48.28	-14.22	-24.22	-48.22	12.88	-88.84	-3.84
6	-0.07	32.28	38.84	28.88	48.88	22.22	24.87	48.84
	0.00	-17.88	-0.88	42.74	2.81	-18.88	-2.27	-0.58
	87.88	-48.82	-18.12	-28.88	-42.42	12.71	-88.81	-4.18

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, RUN 222														
PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6
DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT
1	0.04	30.17	00.00	01.31	02.10	20.20	27.07	37.00	-25.01	-5.70	20.01	0.51	-24.00	-3.40
	0.01	-25.01	-5.70	20.01	0.51	-24.00	-3.40	-12.27	04.73	04.73	04.73	04.73	04.73	04.73
	07.00	03.10	-10.20	-21.11	-00.00	12.27	-04.73	-04.73	-04.73	-04.73	-04.73	-04.73	-04.73	-04.73
2	0.03	22.00	02.00	01.00	02.00	27.04	20.04	20.04	04.00	04.00	04.00	04.00	04.00	04.00
	0.01	-20.71	-5.04	20.00	-2.00	-22.04	-22.04	-22.04	04.00	04.00	04.00	04.00	04.00	04.00
	04.00	04.00	-10.03	-22.31	-22.04	10.31	-00.12	-00.12	-00.12	-00.12	-00.12	-00.12	-00.12	-00.12
3	0.02	22.00	04.00	02.00	04.00	20.07	20.07	20.07	04.00	04.00	04.00	04.00	04.00	04.00
	0.01	-20.54	-5.20	22.10	-2.10	-22.20	-22.20	-22.20	04.00	04.00	04.00	04.00	04.00	04.00
	07.03	06.20	-10.20	-10.57	-22.00	10.01	-00.00	-00.00	-00.00	-00.00	-00.00	-00.00	-00.00	-00.00

PROPELLSIVE MING FLOW FIELD

BASE SUMMARY, RUN 222														
PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6
DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT
2	-0.11	24.01	01.70	20.14	01.00	24.07	27.24	35.20	-20.70	0.10	00.71	5.44	-17.13	-0.50
	0.00	-20.70	0.10	00.71	5.44	-17.13	-0.50	-5.11	04.33	-13.41	-24.00	0.22	-07.10	-3.02
	10.11	04.33	-13.41	-24.00	0.22	-07.10	-3.02	-3.02	04.33	-13.41	-24.00	0.22	-07.10	-3.02
3	-0.12	22.00	01.07	20.27	01.00	20.14	27.07	35.23	-10.27	-0.00	00.53	4.07	-10.00	-2.31
	0.00	-10.27	-0.00	00.53	4.07	-10.00	-2.31	-5.20	04.33	-13.41	-24.00	0.22	-07.10	-3.02
	22.01	04.33	-13.41	-24.00	0.22	-07.10	-3.02	-3.02	04.33	-13.41	-24.00	0.22	-07.10	-3.02
4	0.00	24.00	00.70	20.03	02.04	20.51	20.40	30.52	-10.04	-0.70	02.00	4.57	-20.00	-4.00
	0.00	-10.04	-0.70	02.00	4.57	-20.00	-4.00	-5.04	04.33	-13.41	-24.00	0.22	-07.10	-3.02
	00.07	04.33	-10.10	-22.20	-02.20	10.20	-02.20	-2.02	04.33	-13.41	-24.00	0.22	-07.10	-3.02
5	0.04	24.02	02.50	20.02	02.00	24.57	20.07	34.70	-20.05	-0.07	00.00	2.04	-20.20	-4.02
	0.00	-20.05	-0.07	00.00	2.04	-20.20	-4.02	-5.10	04.33	-13.41	-24.00	0.22	-07.10	-3.02
	07.00	04.33	-10.10	-22.20	-02.20	10.20	-02.20	-2.02	04.33	-13.41	-24.00	0.22	-07.10	-3.02

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 224

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
2	0.02	37.14	42.02	41.08	44.07	37.22	39.02	39.26
	0.01	-36.26	-7.52	36.06	-2.42	-27.06	-8.29	-12.06
	07.03	47.31	-12.06	-21.26	-41.06	0.16	-04.06	-2.46
3	0.02	36.22	44.06	41.08	42.06	18.06	39.06	39.16
	0.01	-36.47	-6.52	36.06	-2.16	-19.17	-8.29	-12.04
	05.03	47.01	-12.12	-20.46	-36.02	0.11	-05.29	-2.16
4	0.02	36.06	44.06	41.42	44.26	16.26	39.11	39.06
	0.01	-31.26	-7.06	32.06	-2.06	-19.06	-7.76	-11.06
	07.10	48.21	-12.06	-10.06	-24.76	4.26	-04.07	-2.40

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 225

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
1	0.00	37.02	42.06	40.02	44.26	37.22	39.26	39.06
	0.00	-21.12	0.16	44.26	0.06	-19.06	-2.06	-4.06
	10.06	46.01	-11.06	-21.02	-42.02	-1.06	-03.06	-2.06
2	0.02	37.06	42.16	40.02	42.26	31.12	39.16	39.26
	0.00	-19.17	-0.22	45.21	0.06	-17.06	-4.26	-8.26
	22.01	45.23	-14.26	-21.41	-42.11	4.02	-04.17	-2.17

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DATE SUBMITTED: 000000

PF	ALPHA DELTA ME17	V11 ALP1 ME11	V12 ALP2 ME12	V13 ALP3 ME13	V14 ALP4 ME14	V15 ALP5 ME15	V16 ALP6 ME16	V17 ALP7 ME17
1	0.00 0.00 18.30	37.44 -21.72 47.02	42.26 0.44 -11.22	66.87 44.66 -16.46	42.00 5.23 -42.00	16.64 -16.23 0.76	27.22 -2.49 -62.43	66.26 -2.26 -2.00
2	-0.02 0.04 32.64	26.00 -21.78 46.64	42.46 0.00 -11.82	66.61 44.46 -26.41	44.10 4.37 -46.64	21.79 -16.11 5.01	27.08 -5.09 -62.41	61.00 -2.16 -2.00
3	-0.04 0.00 06.60	37.00 -26.84 46.82	44.12 0.44 -12.64	66.42 44.62 -21.46	44.14 4.30 -42.90	22.00 -16.72 16.93	26.22 -2.27 -60.96	66.40 -2.27 -2.01
4	0.04 0.00 07.36	37.20 -21.81 47.12	42.60 0.24 -11.92	61.81 44.62 -26.16	44.00 4.80 -42.82	24.00 -16.01 17.44	26.72 -2.22 -61.26	66.60 -2.19 -2.17

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040

DATE SUBMITTED: NOV 297

PT	ALPHA DEUT	VT1 DEUT	VT2 ALP2 DEUT	VT3 ALP3 DEUT	VT4 ALP4 DEUT	VT5 ALP5 DEUT	VT6 ALP6 DEUT	VT7 ALP7 DEUT
2	0.02 18.26	26.28 -31.43 47.03	44.05 -12.66 -17.36	66.63 00.59 -17.76	64.04 4.24 -61.23	18.92 -8.27 -0.16	24.74 -4.23 -0.16	62.07 -3.46 -0.46
3	0.00 22.00	27.06 -31.23 66.06	43.50 -13.20 -13.20	41.37 -16.92 -16.92	44.34 3.27 -61.43	18.00 -11.00 -8.13	31.31 -4.02 -0.51	61.23 -2.46 -2.46
4	0.00 06.00	37.50 -31.00 47.50	44.42 0.04 -16.57	41.50 42.43 -16.01	44.50 8.00 -62.07	18.00 -12.31 -8.00	26.00 -4.18 -0.48	60.23 -3.51 -3.51
5	0.04 07.00	26.04 -31.07 47.11	42.32 -12.50 -12.50	41.26 42.43 -16.52	44.09 4.52 -63.06	18.70 -16.14 -3.19	26.14 -0.66 -0.66	61.50 -2.34 -2.34

PROPELLSIVE MING FLOW FIELD

NAME SUMMARY, RUN 320

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DATA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	WEIGHT	WE11	WE12	WE13	WE14	WE15	WE16	WE17
1	0.07	37.30	40.00	36.00	37.31	22.12	39.04	32.70
	0.01	-20.01	-3.00	41.00	-3.73	-14.73	-14.53	-12.70
	0.00	20.00	-7.30	-43.01	-04.00	-0.53	-71.42	-1.00
2	0.00	30.07	00.12	30.75	30.00	21.00	30.00	32.30
	0.01	-20.07	-3.30	43.00	-1.02	-10.00	-14.01	-12.70
	0.00	20.00	-7.00	-43.00	-03.00	1.32	-70.51	-1.72
3	0.00	20.71	30.70	30.04	37.07	24.00	34.07	30.00
	0.01	-20.33	-3.53	40.51	-3.30	-12.00	-10.53	-12.00
	07.00	34.10	-0.17	-00.00	-00.53	2.00	-71.37	-1.00

PROPELLSIVE MING FLOW FIELD

NAME SUMMARY, RUN 300

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DATA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	WEIGHT	WE11	WE12	WE13	WE14	WE15	WE16	WE17
1	0.07	35.30	40.34	31.30	30.22	34.30	30.00	31.00
	0.01	-32.30	-3.53	44.02	-2.11	-10.30	-10.31	-12.43
	00.00	30.70	-7.00	-07.04	-04.04	4.30	-71.04	-1.01
2	0.00	30.00	30.30	32.00	30.00	30.10	30.07	31.00
	0.01	-31.20	-3.02	40.01	-2.21	-12.00	-12.00	-11.00
	00.00	37.03	-0.34	-03.10	-01.30	4.00	-73.10	-1.00
3	0.00	30.00	30.30	31.27	30.30	30.00	30.34	30.00
	0.01	-20.34	-3.37	40.70	-2.11	-12.70	-12.30	-12.00
	07.00	30.37	-10.00	-00.30	-01.00	4.43	-72.77	-1.70

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 330

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
1	0.07	27.46	20.26	23.94	36.87	34.20	30.93	53.10
	0.01	-25.04	-2.31	42.87	0.31	-18.88	-0.90	-11.73
	48.10	34.52	-12.20	-48.00	-43.31	12.00	-72.12	-3.46
2	0.00	25.40	40.12	22.37	30.83	34.16	20.70	53.50
	0.01	-20.61	-1.25	60.44	-2.40	-17.42	-4.83	-10.75
	05.51	31.20	-13.76	-61.04	-25.00	11.00	-70.68	-2.30
3	0.00	25.00	41.73	32.84	30.43	33.20	20.45	54.00
	0.01	-27.00	-1.00	41.10	-3.30	-17.50	-5.44	-10.95
	00.73	30.63	-12.45	-20.63	-35.92	10.63	-71.30	-1.87

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 331

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DELTA	DEL1	DEL2	DEL3	DEL4	DEL5	DEL6	DEL7
1	0.03	26.52	42.57	30.11	30.00	55.20	31.70	54.10
	0.00	-23.73	5.20	44.25	4.05	-15.40	-5.42	-5.97
	19.60	42.00	-0.22	-40.00	-42.04	0.00	-67.71	-3.93
2	0.01	27.11	41.84	32.20	40.07	34.03	30.31	55.00
	0.00	-24.77	4.54	48.42	5.22	-10.75	-8.51	-3.24
	32.00	34.48	-0.06	-48.00	-48.07	11.27	-65.74	-2.70
3	0.01	26.57	40.40	32.00	41.24	30.82	32.10	55.30
	0.00	-20.20	4.10	48.53	4.11	-17.75	-7.00	-4.00
	05.51	37.34	-10.05	-47.00	-45.23	14.14	-70.63	-3.01
4	0.03	27.00	40.04	32.10	42.20	30.20	32.34	55.70
	0.00	-22.20	4.31	48.20	5.40	-10.00	-6.31	-4.00
	07.03	35.18	-0.07	-40.20	-40.50	12.47	-60.84	-2.04

PROGRESSIVE MINE FLOW FIELD

DATE SUMMARY, RUN 332

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15
1	0.12	27.60	40.35	20.51	30.26	27.70	28.10	54.60
	0.00	-10.40	4.44	40.70	3.20	-0.84	-5.20	-0.90
	10.87	38.10	-0.53	-04.06	-05.81	5.00	-03.57	-2.00
2	0.13	27.00	40.24	22.02	40.12	28.17	27.57	54.70
	0.00	-20.07	4.23	47.00	3.53	-14.15	-0.70	-5.05
	32.00	30.00	-0.87	-41.53	-43.73	0.52	-04.40	-2.00
3	0.11	27.00	20.50	31.45	40.27	28.71	28.00	50.15
	0.00	-20.20	4.54	05.07	3.71	-14.53	-0.64	-5.22
	05.70	30.30	-10.40	-00.30	-05.04	0.20	-05.75	-2.75
4	-0.02	27.20	30.30	22.12	30.57	20.44	20.43	54.07
	0.00	-10.04	4.20	00.24	3.50	-12.00	-7.30	-0.30
	00.03	35.32	-11.10	-37.97	-05.00	0.50	-04.40	-2.70

PROGRESSIVE MINE FLOW FIELD

DATE SUMMARY, RUN 325

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15
1	0.02	20.22	30.07	32.20	20.07	20.00	20.00	54.02
	0.01	-20.10	-3.53	42.31	-0.77	-15.10	-3.01	-12.01
	47.51	37.30	-10.42	-05.30	-44.35	4.07	-70.01	-2.01
2	0.01	27.10	40.23	31.40	20.02	20.44	27.03	52.01
	0.01	-20.20	-3.15	30.22	-2.72	-15.40	-0.22	-13.00
	00.03	30.00	-0.30	-41.00	-07.00	0.22	-70.00	-3.04
3	0.01	27.00	20.20	30.44	20.00	20.00	20.41	54.00
	0.01	-20.00	-3.00	30.00	-0.31	-15.03	-0.30	-12.00
	07.00	37.07	-10.00	-30.02	-05.12	0.00	-70.02	-2.02

PROPLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 334

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
2	-0.38 0.00 19.32	19.33 17.31 -91.85	20.83 23.52 84.45	19.70 -02.72 -8.83	22.47 16.60 54.16	21.57 -13.80 32.68	17.08 7.25 27.80	35.27 78.05 83.84
3	-0.03 0.00 32.75	18.12 13.94 -59.10	21.11 48.05 80.31	18.38 -08.17 -11.14	18.88 16.98 83.36	20.34 -15.61 28.08	15.45 4.13 21.51	34.02 82.05 -73.59
4	-0.10 0.00 85.84	15.12 11.55 -38.18	21.38 81.78 70.39	17.86 -45.84 -18.83	16.90 22.44 64.61	22.01 -13.43 27.03	14.32 2.91 25.24	32.21 84.38 -75.36

PROPLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 337

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
2	-0.04 0.00 18.18	14.73 33.50 -85.22	27.37 -1.20 -23.21	23.85 -23.24 -24.01	22.45 -18.21 -12.31	28.60 -16.51 4.54	28.22 12.54 -21.88	30.23 -5.61 -19.54
3	-0.06 0.00 32.85	16.87 31.62 -65.45	28.47 -0.73 -21.84	22.35 -21.38 -42.48	25.43 -17.35 -18.68	33.21 -18.82 12.09	28.88 16.21 -20.58	30.49 -4.95 -18.74
4	0.01 0.00 65.68	17.79 27.01 -82.89	28.11 -1.13 -22.51	33.80 -8.08 -28.50	28.37 -18.01 -17.84	33.18 -21.38 11.57	30.51 7.13 -28.08	27.17 6.43 -23.52
5	-0.02 0.00 87.08	13.08 42.48 -48.38	28.05 -0.82 -23.31	22.81 -15.32 -38.17	27.58 -19.58 -21.36	34.37 -21.88 19.70	30.56 8.33 -25.71	28.10 -3.87 -18.30

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 338

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7
1	-0.23	7.00	28.82	20.73	21.56	32.04	21.94	30.25
	0.00	-43.87	0.05	-18.17	-18.87	-18.77	1.21	-3.56
	18.28	-22.98	-18.40	-45.74	-8.12	13.34	-44.48	-10.75
2	-0.08	14.81	27.82	18.58	21.82	32.77	28.25	31.07
	0.00	15.17	-6.41	-14.03	-20.28	-23.33	-1.84	-6.28
	32.83	-82.27	-17.58	-39.27	-42.84	15.80	-32.52	-12.34
3	0.00	16.12	28.29	20.19	23.88	45.82	25.39	31.08
	0.00	-3.84	-2.68	3.41	-22.25	-22.83	-3.53	-4.58
	65.68	-81.52	-18.48	-42.08	-25.81	17.13	-55.87	-15.08
4	-0.02	18.80	31.54	19.87	22.22	45.34	28.12	30.04
	0.00	8.80	-0.25	8.58	-25.75	-22.14	3.07	8.78
	87.08	-77.02	-8.88	-48.55	-27.48	17.71	-58.74	-13.24

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 339

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7
1	0.08	16.80	27.01	18.10	22.20	24.25	18.81	31.81
	0.00	-42.41	-1.02	-15.80	-22.28	-21.73	-2.88	-3.81
	20.00	-77.50	-18.28	-27.19	-15.05	14.50	-43.31	-4.43
2	0.00	15.87	25.82	16.75	21.25	23.50	21.82	22.77
	0.00	-72.56	-0.00	-11.12	-18.87	-25.71	-5.50	-3.51
	32.81	82.16	-12.00	-28.79	-22.50	15.88	-44.88	-4.85
3	-0.02	11.88	24.78	18.38	22.97	34.22	22.54	31.38
	0.00	-75.21	-3.83	-28.38	-21.54	-22.44	-8.78	-2.25
	65.68	-0.20	-17.15	-38.84	-13.47	18.71	-58.45	-7.10
4	-0.01	14.35	28.51	18.44	21.88	35.71	23.22	28.88
	0.00	-31.80	-0.72	-17.83	-18.88	-21.82	-8.28	-2.51
	87.01	-88.92	-11.28	-18.58	-28.51	17.44	-58.88	-7.85

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 340

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
1	0.04	15.37	25.18	18.00	18.83	18.42	18.07	31.80
	0.00	-60.54	1.17	-24.43	-22.07	-24.82	-2.58	-2.14
	18.53	-28.47	-8.00	-18.01	-17.82	13.00	-68.78	-3.30
2	-5.02	15.04	27.00	18.20	18.75	18.83	18.23	32.82
	0.00	-47.07	0.29	-12.02	-18.51	-22.22	-8.17	-2.51
	32.81	-75.83	-7.07	-18.13	-9.06	15.51	-48.00	-3.27
3	0.00	16.14	24.11	18.78	18.26	24.87	20.22	31.10
	0.00	-64.77	-1.00	-15.44	-27.84	-24.00	-11.22	-2.55
	80.00	-78.00	-12.00	-17.83	-9.42	16.58	-48.01	-4.28
4	-8.02	12.04	24.01	18.05	18.25	25.81	20.14	30.81
	0.00	-74.43	-1.05	-18.57	-18.20	-22.43	-10.28	-2.45
	87.00	-68.21	-18.20	-18.00	-9.53	14.90	-68.18	-4.38

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 341

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
1	0.00	18.00	28.47	17.25	20.00	12.56	18.83	32.06
	0.00	-79.87	0.02	-27.88	-25.84	-27.25	-4.25	-2.70
	18.35	-74.53	-8.28	-34.38	-12.00	-8.08	-50.22	-2.81
2	-8.05	17.70	28.20	15.05	20.58	18.08	18.84	32.84
	0.00	-84.84	-0.51	-19.22	-17.85	-18.53	-8.84	-2.80
	32.78	-31.41	-8.00	-18.40	-8.18	0.00	-48.52	-2.54
3	0.00	18.20	27.85	18.00	20.00	17.41	18.54	31.48
	0.00	-54.83	-0.57	-1.41	-20.13	-22.24	-7.82	-2.88
	85.81	-78.80	-8.80	-11.20	-1.45	0.01	-28.82	-3.82
4	-8.01	18.50	22.50	20.82	18.78	18.88	20.11	31.13
	0.00	-75.41	-1.10	-21.21	-18.20	-21.07	-8.51	-2.13
	86.88	-52.10	-11.00	-11.22	-18.53	14.02	-87.82	-3.17

PROPELLSIVE MING FLOW FIELD

NAME SUMMARY, RUN 343

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16
	ALP17	ALP18	ALP19	ALP20	ALP21	ALP22	ALP23	ALP24
1	0.02	15.50	24.72	18.82	22.35	12.85	17.83	25.25
	0.00	-25.00	0.18	-20.87	-18.12	-25.00	-5.22	-2.25
	00.00	-77.50	-8.23	-14.26	4.00	8.30	-43.64	-4.54
2	-0.01	18.27	20.70	18.07	20.03	10.10	17.71	28.00
	0.00	-18.00	1.00	-12.70	-22.83	-18.70	-6.44	-2.49
	10.75	-08.30	-8.64	-8.00	8.30	-24.07	-42.92	-2.01
3	-0.02	15.57	24.70	18.57	18.00	11.23	16.77	20.57
	0.00	-17.82	1.00	-22.45	-18.00	-14.51	-8.90	-2.22
	23.05	02.20	-8.00	-9.01	3.00	-11.57	-42.95	-3.34
4	-0.01	18.50	25.03	18.81	20.00	14.23	18.81	20.20
	0.00	-17.31	0.01	-22.00	-21.38	-18.00	-8.00	-2.70
	09.08	-07.05	-7.02	-8.00	-3.43	-5.41	-48.28	-3.01
5	-0.02	16.18	20.37	17.21	20.40	14.22	18.91	20.00
	0.00	-17.27	-0.50	-40.32	-18.28	-28.83	-5.12	-2.77
	07.01	-01.00	-8.25	-24.83	-18.11	8.00	-42.30	-2.74

PROPELLSIVE MING FLOW FIELD

NAME SUMMARY, RUN 343

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16
	ALP17	ALP18	ALP19	ALP20	ALP21	ALP22	ALP23	ALP24
1	0.00	15.00	20.01	17.02	20.22	11.01	16.00	27.07
	0.00	-48.04	-8.01	-27.00	-28.14	-21.24	-18.70	-10.00
	57.24	-77.00	-3.11	-10.10	1.10	-15.75	-42.04	-3.01
2	0.04	16.00	25.03	17.00	20.11	10.01	10.25	20.00
	0.00	-53.27	-8.00	-48.27	-32.25	-30.02	-14.77	-10.04
	09.00	-75.20	-7.23	-18.75	-10.50	-16.00	-48.01	-3.01
3	0.03	17.24	27.00	17.00	18.70	12.00	17.75	24.00
	0.00	-42.03	-7.77	-48.30	-24.53	-22.70	-18.30	-10.30
	07.00	-75.00	-8.00	-17.97	-8.50	0.12	-41.53	-3.17

PROPELLSIVE MING FLOW FIELD

RANK SUMMARY, RUN 344

PI	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7
1	8.05	15.53	28.03	17.00	16.37	12.01	17.20	26.53
	0.00	-68.81	-8.90	-51.20	-31.72	-30.63	-15.37	-10.81
	48.20	-78.40	-8.17	-30.37	-12.77	-12.00	-42.26	-3.81
2	8.03	12.74	22.35	12.31	18.97	16.42	18.00	27.31
	0.00	-68.43	-8.80	-22.62	-20.05	-32.08	-18.42	-8.82
	85.80	-68.34	-8.80	-38.18	-1.50	18.77	-40.42	-3.42
3	8.02	18.84	22.58	22.71	31.00	15.71	18.04	27.72
	0.00	-68.17	-8.05	-15.52	-34.51	-28.80	-15.81	-10.45
	87.03	-67.80	-8.96	-8.82	-1.81	7.81	-44.20	-3.00

PROPELLSIVE MING FLOW FIELD

RANK SUMMARY, RUN 345

PI	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7
1	-0.01	14.00	27.47	14.24	10.71	14.70	10.00	20.20
	0.00	-82.00	0.20	-22.41	-18.24	-21.74	-8.04	-2.00
	10.40	-22.34	-7.53	-38.00	-10.00	0.20	-40.18	-2.40
2	0.00	18.21	32.20	18.34	22.21	12.07	18.41	22.81
	0.00	-72.00	-0.00	-10.16	-18.20	-21.17	-7.01	-3.01
	32.00	-37.40	-10.53	-12.00	-10.00	0.50	-40.12	-2.00
3	-0.03	18.00	20.24	18.00	20.22	18.00	18.70	22.22
	0.00	-72.34	0.53	-21.70	-21.40	-23.52	-4.70	-3.20
	85.84	98.00	-0.50	-13.61	-12.02	-1.50	-40.00	-2.00
4	0.05	17.11	20.75	21.21	20.00	17.43	20.00	22.44
	0.00	-77.10	-0.04	-12.24	-18.20	-23.23	-8.21	-3.13
	87.00	-20.70	-0.33	-10.44	-13.24	11.00	-40.00	-3.01

PROPELISIVE MING FLOW FIELD
BASE SUMMARY, RUN 340

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DET1	DET2	DET3	DET4	DET5	DET6	DET7
1	-0.02	15.77	27.20	16.00	21.02	17.04	20.37	24.17
	0.00	-0.25	0.27	-2.50	-18.58	-24.57	-7.37	-2.30
	10.53	-46.60	-8.87	-18.54	-18.00	0.00	-44.02	-2.06
2	0.01	15.57	25.50	20.21	27.20	15.20	16.97	20.21
	0.00	-00.51	-0.40	-7.33	-20.53	-25.00	-10.00	-3.20
	22.00	57.26	-14.13	-10.30	-14.07	-0.17	-05.47	-2.70
3	-0.01	14.82	23.20	18.70	21.20	24.17	21.50	24.07
	0.00	-00.62	-0.18	0.54	-21.25	-24.25	-5.25	-3.20
	00.00	51.27	-15.57	-17.70	-15.00	12.30	-40.03	-2.17
4	-0.03	17.53	25.20	18.12	20.00	20.10	21.22	24.01
	0.00	-00.40	-1.70	-14.40	-10.20	-21.07	-16.07	-2.20
	07.00	26.45	-12.47	-22.00	-12.22	10.00	-50.00	-3.52

PROPELISIVE MING FLOW FIELD
BASE SUMMARY, RUN 347

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	DELTA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DET1	DET2	DET3	DET4	DET5	DET6	DET7
1	-0.01	10.70	20.57	10.53	21.00	14.50	20.07	27.07
	0.00	-00.44	-7.02	-10.30	-22.00	-23.41	-10.17	-10.00
	48.17	5.53	-10.01	-10.31	-10.50	-4.00	-50.43	-2.00
2	0.07	10.01	20.14	17.00	21.20	22.20	21.00	20.00
	0.00	-70.15	-8.42	-0.20	-22.37	-22.01	-17.00	-11.25
	00.70	01.53	-8.11	-22.22	-27.00	17.00	-52.27	-3.20
3	0.00	10.20	27.20	10.51	21.20	24.00	22.27	27.00
	0.00	-02.07	-7.02	-12.04	-20.70	-20.70	-14.20	-10.00
	00.71	50.07	-12.31	-17.52	-24.53	10.07	-52.00	-2.40

PROGRESSIVE MINE FLOW FIELD

DATE SUMMARY, RUN 340

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
1	0.00	17.21	22.00	31.00	31.00	15.37	20.50	20.52
	5.01	-50.00	-5.25	-5.20	-14.83	-31.21	-14.00	-10.00
	48.44	50.00	-15.27	-11.02	-20.50	0.34	-50.07	-2.33
2	0.07	17.20	20.70	17.70	31.70	14.00	20.57	20.50
	5.01	-60.30	-7.02	-2.50	-20.40	-20.20	-11.20	-10.13
	60.00	60.70	-12.22	-27.70	-14.00	14.00	-32.20	-2.37
3	0.00	16.22	31.12	18.03	31.00	14.10	20.00	20.03
	5.01	-50.00	-5.00	17.03	-16.73	-20.20	-12.25	-9.77
	50.75	-60.10	-7.00	-60.00	-16.72	5.20	-32.37	-2.70

PROGRESSIVE MINE FLOW FIELD

DATE SUMMARY, RUN 340

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
1	0.02	17.00	22.37	17.57	31.12	10.01	31.12	32.03
	5.01	-57.00	0.75	-0.00	-5.21	-27.04	-5.24	-2.20
	10.00	60.52	-8.45	-20.31	-20.41	11.70	-62.01	-2.75
2	0.02	16.01	20.17	17.00	20.05	14.70	21.07	20.00
	5.01	-60.00	2.40	7.10	-10.00	-25.15	-0.10	-2.00
	22.01	62.52	-0.50	-27.14	-10.74	0.44	-51.20	-2.00
3	0.00	17.20	20.14	21.20	22.33	10.72	21.02	20.51
	5.01	-50.34	1.00	3.74	-0.33	-20.07	-0.00	-2.70
	60.53	50.01	-14.17	-10.00	-24.00	10.01	-32.02	-2.54
4	0.02	17.01	20.00	18.47	21.44	10.00	22.11	20.24
	5.01	-61.15	1.00	4.03	-11.00	-20.51	-0.10	-2.00
	67.00	62.20	-11.30	-22.73	-20.07	10.20	-53.71	-2.77

PROPOSITIVE MING FLOW FIELD

PI	RAKE SUMMARY, RUN 260									
	ALPHA DETA MEIGI	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17		
1	-0.02 5.01 16.76	17.47 -02.12 50.26	25.00 6.92 -15.78	22.04 -0.23 -14.01	22.45 -6.31 -28.00	21.75 -15.14 -4.01	21.71 2.00 -97.00	42.04 -2.04 -2.38		
2	0.02 5.01 32.00	10.40 -52.20 62.60	22.40 1.47 -6.78	20.00 -2.01 -18.10	25.55 -4.40 -24.27	22.52 -18.10 5.00	22.40 2.20 -55.82	42.70 -2.00 -2.40		
3	0.00 5.01 05.00	15.17 -73.01 50.04	31.40 3.03 -13.50	21.10 14.22 -25.24	22.63 -8.75 -23.12	22.48 -21.83 14.42	21.90 2.37 -52.10	41.54 -2.20 -3.82		
4	-0.01 5.01 07.00	18.30 -54.30 62.02	30.07 2.00 -15.21	21.43 12.17 -28.17	24.55 -4.87 -20.41	25.16 -18.00 13.31	22.02 3.19 -50.78	42.10 -2.04 -3.15		

PROPOSITIVE MING FLOW FIELD

PI	RAKE SUMMARY, RUN 261									
	ALPHA DETA MEIGI	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17		
1	0.02 5.01 08.34	17.20 -73.04 62.37	20.00 -8.47 -11.00	22.01 1.04 -20.00	22.32 -14.70 -27.03	18.10 -25.63 0.25	31.72 -0.20 -54.81	42.20 -10.63 -2.20		
2	0.01 5.01 05.07	17.22 -80.63 93.87	22.51 -3.00 -11.71	20.27 12.20 -25.15	23.00 -15.75 -17.34	18.00 -25.00 0.01	21.83 -0.22 -52.70	41.00 -8.44 -2.03		
3	0.01 5.01 07.03	17.01 -80.95 92.00	24.10 -3.00 -10.03	21.51 14.25 -22.00	20.10 -10.41 -10.04	18.40 -25.47 4.70	22.48 -0.00 -52.83	42.20 -8.30 -2.24		

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 292

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DET1	DET2	DET3	DET4	DET5	DET6	DET7
1	8.04	18.89	31.88	18.82	24.48	25.88	23.45	42.21
	0.00	-50.34	8.25	-8.01	-20.28	-31.43	-12.55	-11.62
	48.35	63.86	-12.80	-38.98	-31.77	11.32	-42.84	-4.38
2	8.02	18.88	28.75	21.25	25.48	24.48	24.87	42.88
	0.00	-61.27	-8.27	0.64	-31.46	-28.01	-18.58	-11.81
	65.62	87.34	-18.14	-25.88	-38.87	17.01	-53.18	-4.44
3	8.01	18.87	32.24	20.45	25.43	24.82	24.23	42.01
	0.00	-64.85	-8.40	-8.85	-19.83	-28.88	-14.88	-11.12
	68.73	82.50	-12.23	-28.85	-38.97	18.12	-54.84	-4.77

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 293

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DET1	DET2	DET3	DET4	DET5	DET6	DET7
1	0.01	17.87	32.48	18.78	26.88	22.88	22.31	42.20
	0.00	-63.62	0.18	8.78	-14.74	-22.72	-4.21	-4.02
	18.88	50.38	-18.30	-38.30	-27.83	11.81	-45.82	-3.87
2	-0.02	18.88	34.88	20.82	25.88	22.78	24.15	42.88
	0.00	-65.82	-1.00	5.84	-13.14	-24.88	-8.88	-4.07
	32.88	80.27	-14.81	-25.83	-24.88	7.75	-45.87	-3.48
3	-0.04	18.87	34.38	20.87	25.18	24.31	25.48	42.42
	0.00	-64.81	-1.38	7.81	-8.17	-22.23	-8.88	-3.84
	85.88	54.88	-18.88	-28.51	-24.83	13.88	-58.84	-4.13
4	-0.08	18.88	32.18	21.75	25.88	24.84	24.82	42.28
	0.00	-88.22	-8.88	18.18	-12.17	-28.88	-8.88	-3.78
	87.88	55.74	-18.12	-25.41	-28.18	18.41	-58.87	-3.88

PROPELLSIVE WING FLOW FIELD

PT	RAKE SUMMARY, RUN 254											
	ALPHA	BETA	WEIGHT	VT1	ALP1	BET1	VT2	ALP2	BET2	VT3	ALP3	BET3
1	-0.01	0.00	29.99	18.20	-24.21	37.74	36.40	-1.23	20.83	-13.82	-34.20	25.83
												34.20
												-18.00
												14.30
												-47.76
												5.46
2	-0.05	0.00	32.87	18.20	-35.47	75.71	36.75	6.44	12.76	-12.59	-21.00	25.82
												-7.71
												-21.26
												-3.30
												-40.41
												-5.80
3	-0.08	0.00	65.87	18.20	-46.85	82.80	33.00	-1.02	8.00	-18.00	-32.87	25.87
												65.01
												-22.51
												-4.20
												-37.48
												-8.58
4	0.00	0.00	87.08	17.64	-28.70	66.64	32.01	-0.82	14.51	-18.02	-21.30	25.43
												65.74
												-21.52
												-3.52
												-56.04

PROPELLSIVE WING FLOW FIELD

PT	RAKE SUMMARY, RUN 308											
	ALPHA	BETA	WEIGHT	VT1	ALP1	BET1	VT2	ALP2	BET2	VT3	ALP3	BET3
1	0.02	0.00	48.41	18.04	-26.11	57.77	38.26	-8.60	13.81	-18.26	-45.50	32.40
												-21.00
												-28.77
												14.74
												-27.00
												-10.73
												-41.17
2	0.01	0.00	65.84	18.03	-66.15	73.00	34.00	-8.20	2.70	-18.27	-25.01	26.44
												-14.00
												-25.83
												16.18
												-57.00
												-28.40
												-12.12
												-11.07
3	7.00	0.00	87.08	20.42	-84.00	71.01	31.12	-8.63	2.84	-20.14	-20.50	20.72
												-43.00
												-38.55
												-11.40
												-54.73
												-7.55

PROBATIVE MING FLOW FIELD

RARE SUMMARY, RUN 357

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
1	0.01 5.01 20.21	17.90 -27.90 -08.18	34.90 -0.70 -14.20	24.90 13.30 -31.00	28.90 -8.77 -20.07	29.74 -18.71 10.74	29.12 2.35 -48.34	44.48 -4.37 -5.70
2	-0.03 5.01 22.81	18.82 -27.84 -08.00	37.77 1.05 -8.00	24.90 25.42 -31.01	30.82 1.20 -1.70	30.95 13.75 7.41	24.00 17.30 -52.30	45.00 -2.00 -5.70
3	-0.00 5.01 05.04	17.07 -24.31 01.03	37.00 5.10 -14.10	28.82 22.29 -25.34	28.00 19.43 -40.23	28.37 -15.15 14.94	28.20 17.27 -50.37	47.90 -0.00 -3.73
4	-0.07 5.01 07.05	17.11 -26.34 70.07	37.30 5.40 -18.01	28.87 22.23 -22.77	28.02 7.07 -28.82	22.80 -16.00 13.73	23.00 17.01 -07.04	43.81 -0.54 -5.50

PROBATIVE MING FLOW FIELD

RARE SUMMARY, RUN 358

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
1	8.02 5.01 48.40	18.63 -30.47 07.57	24.73 -8.15 -14.52	27.30 11.44 -24.10	24.77 -2.15 -25.37	28.71 -21.71 10.83	22.00 8.55 -48.05	43.00 -8.31 -4.00
2	8.00 5.01 08.00	15.05 -31.14 73.42	36.90 -2.12 -15.00	27.00 21.40 -28.00	28.07 -4.04 -28.51	32.05 -22.52 14.07	24.14 11.30 -52.50	44.82 -8.70 -3.04
3	8.05 5.01 07.31	15.00 -07.00 07.73	25.31 -1.10 -10.82	28.00 12.00 -22.25	30.44 -3.03 -20.00	31.30 -23.70 12.63	24.40 13.70 -50.04	44.82 -8.20 -3.50

PROPOSITIVE MINE FLOW FIELD

PI	RAKE SUMMARY, SUM 250											
	ALPHA DETA HELMET	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17	V18 ALP8 DE18	V19 ALP9 DE19	V20 ALP10 DE20	V21 ALP11 DE21
1	-0.01 5.01 10.30	18.00 -24.10 57.45	37.14 0.50 -14.10	20.02 10.20 -21.53	30.02 2.03 -20.00	20.02 -0.00 5.10	22.20 25.90 -17.00	40.02 -1.57 -7.70	22.20 25.90 -17.00	22.20 25.90 -17.00	22.20 25.90 -17.00	22.20 25.90 -17.00
2	-0.03 32.83	14.03 -34.50 50.71	30.04 0.04 -12.54	22.00 10.00 -17.13	30.03 14.24 -37.32	20.00 -10.00 0.34	20.00 28.37 -23.03	41.03 -1.30 -0.00	20.00 28.37 -23.03	20.00 28.37 -23.03	20.00 28.37 -23.03	20.00 28.37 -23.03
3	-0.05 05.04	10.10 -22.24 40.77	37.07 0.30 -14.39	27.20 13.20 -17.01	20.07 15.40 -32.01	22.00 -10.00 7.73	22.00 27.02 -00.10	43.00 -0.50 -0.50	22.00 27.02 -00.10	22.00 27.02 -00.10	22.00 27.02 -00.10	22.00 27.02 -00.10
4	0.00 87.22	15.00 -22.72 01.20	37.00 0.40 -15.27	22.12 11.07 -17.30	20.23 14.74 -30.01	22.01 -10.00 0.70	22.01 27.07 -04.35	43.00 -0.52 -0.50	22.01 27.07 -04.35	22.01 27.07 -04.35	22.01 27.07 -04.35	22.01 27.07 -04.35

PROPOSITIVE MINE FLOW FIELD

PI	RAKE SUMMARY, SUM 200											
	ALPHA DETA HELMET	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17	V18 ALP8 DE18	V19 ALP9 DE19	V20 ALP10 DE20	V21 ALP11 DE21
1	0.00 5.01 10.30	17.03 -22.00 47.50	20.00 -7.50 -17.07	20.02 -3.11 -21.30	20.02 -15.03 -20.33	20.02 -15.03 -20.33	20.02 -15.03 -20.33	20.02 -15.03 -20.33	20.02 -15.03 -20.33	20.02 -15.03 -20.33	20.02 -15.03 -20.33	20.02 -15.03 -20.33
2	0.03 05.01	17.20 -20.00 70.02	27.20 -7.04 -10.00	20.20 0.00 -21.07	20.10 -0.00 -21.07	20.10 -0.00 -21.07	20.10 -0.00 -21.07	20.10 -0.00 -21.07	20.10 -0.00 -21.07	20.10 -0.00 -21.07	20.10 -0.00 -21.07	20.10 -0.00 -21.07
3	0.02 5.01 07.00	15.00 -24.00 04.70	20.20 -7.02 -17.04	27.00 1.31 -22.02	20.20 -0.22 -21.01	20.20 -0.22 -21.01	20.20 -0.22 -21.01	20.20 -0.22 -21.01	20.20 -0.22 -21.01	20.20 -0.22 -21.01	20.20 -0.22 -21.01	20.20 -0.22 -21.01

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 360

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
1	8.07	15.60	37.74	27.21	26.78	29.58	38.23	43.01
	0.00	-14.58	-8.78	-1.70	-17.43	-23.82	-4.23	-12.74
	47.56	87.23	-17.23	-28.64	-31.10	2.58	-32.35	-8.43
2	8.05	15.65	46.72	28.16	28.02	28.27	28.83	43.80
	0.00	-15.02	-8.21	-5.36	-17.76	-25.85	-4.39	-12.81
	85.67	42.70	-13.78	-25.41	-28.80	1.78	-24.88	-8.57
3	8.04	15.36	37.88	27.06	26.46	30.82	37.81	42.49
	0.00	-11.30	-8.85	-1.48	-21.25	-25.22	-5.17	-12.87
	87.61	87.30	-17.04	-25.30	-26.22	4.38	-23.85	-8.82

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 361

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	HEIGHT	DE11	DE12	DE13	DE14	DE15	DE16	DE17
1	8.01	16.81	26.74	27.50	26.02	30.00	38.54	43.27
	0.00	-20.13	-8.80	-8.84	-11.87	-17.51	-8.84	-4.80
	10.15	76.73	-18.56	-37.48	-26.34	8.63	-28.06	-8.54
2	8.03	17.46	38.88	28.48	22.20	31.80	31.04	44.14
	0.00	-22.81	-8.47	-8.57	-8.78	-18.06	-7.48	-4.80
	37.87	81.31	-18.81	-25.86	-26.06	8.80	-20.88	-8.35
3	8.00	15.44	36.80	28.14	31.87	32.80	31.88	44.85
	0.00	-21.80	-8.27	-8.80	-8.37	-18.53	-7.38	-4.84
	65.80	87.87	-18.43	-28.23	-26.17	8.34	-23.24	-7.86
4	8.07	16.25	75.00	27.44	26.48	32.86	31.77	44.88
	0.00	-21.37	-8.87	-8.71	-8.83	-18.70	-8.02	-4.84
	87.03	81.80	-18.77	-28.56	-26.08	8.84	-21.20	-7.70

PROPELLSIVE MING FLOW FIELD
BARE SUMMARY, RUN 302

PI	ALPHA	BETA	HEIGHT	VI1	ALP1	BET1	VI2	ALP2	BET2	VI3	ALP3	BET3	VI4	ALP4	BET4	VI5	ALP5	BET5	VI6	ALP6	BET6	VI7	ALP7	BET7
2	0.03	0.00	87.42	87.02	125.70	152.30	160.00	163.00	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50
3	4.06	0.00	87.32	85.00	116.50	147.00	150.50	157.00	161.30	165.00	168.00	171.00	174.00	177.00	180.00	183.00	186.00	189.00	192.00	195.00	198.00	201.00	204.00	207.00
4	8.06	0.00	87.68	88.78	111.50	138.00	152.50	158.50	161.80	165.00	168.00	171.00	174.00	177.00	180.00	183.00	186.00	189.00	192.00	195.00	198.00	201.00	204.00	207.00
5	12.04	0.00	87.75	87.84	108.20	132.40	150.80	160.40	163.70	166.90	170.00	173.00	176.00	179.00	182.00	185.00	188.00	191.00	194.00	197.00	200.00	203.00	206.00	209.00
6	16.07	0.00	87.93	88.52	106.20	130.40	148.80	158.40	161.70	164.90	168.00	171.00	174.00	177.00	180.00	183.00	186.00	189.00	192.00	195.00	198.00	201.00	204.00	207.00
7	22.05	0.00	88.15	88.74	104.20	128.40	146.80	156.40	159.70	162.90	166.00	169.00	172.00	175.00	178.00	181.00	184.00	187.00	190.00	193.00	196.00	199.00	202.00	205.00

PROPELLSIVE MING FLOW FIELD
BARE SUMMARY, RUN 303

PI	ALPHA	BETA	HEIGHT	VI1	ALP1	BET1	VI2	ALP2	BET2	VI3	ALP3	BET3	VI4	ALP4	BET4	VI5	ALP5	BET5	VI6	ALP6	BET6	VI7	ALP7	BET7
1	-0.02	0.00	86.05	132.40	126.40	134.40	131.40	128.40	125.40	122.40	119.40	116.40	113.40	110.40	107.40	104.40	101.40	98.40	95.40	92.40	89.40	86.40	83.40	80.40
2	4.05	0.00	87.40	134.50	137.70	136.10	132.70	128.70	124.70	120.70	116.70	112.70	108.70	104.70	100.70	96.70	92.70	88.70	84.70	80.70	76.70	72.70	68.70	64.70
3	8.06	0.00	87.35	135.00	138.00	136.50	132.50	128.50	124.50	120.50	116.50	112.50	108.50	104.50	100.50	96.50	92.50	88.50	84.50	80.50	76.50	72.50	68.50	64.50
4	12.04	0.00	87.68	140.40	144.50	142.80	138.80	134.80	130.80	126.80	122.80	118.80	114.80	110.80	106.80	102.80	98.80	94.80	90.80	86.80	82.80	78.80	74.80	70.80
5	16.04	0.00	87.93	142.80	147.00	145.30	141.30	137.30	133.30	129.30	125.30	121.30	117.30	113.30	109.30	105.30	101.30	97.30	93.30	89.30	85.30	81.30	77.30	73.30
6	22.05	0.00	88.03	148.20	152.00	150.70	146.70	142.70	138.70	134.70	130.70	126.70	122.70	118.70	114.70	110.70	106.70	102.70	98.70	94.70	90.70	86.70	82.70	78.70

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 384

PI	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	0.02 0.00 87.07	105.20 40.68 -4.83	108.00 35.41 -10.48	108.60 34.84 -10.25	104.30 32.90 -13.14	102.00 28.55 -12.11	99.97 26.83 -10.31	107.10 17.97 -9.35
2	4.08 0.00 87.00	107.10 35.95 -2.89	110.30 31.08 -9.36	108.60 31.34 -9.84	105.70 28.51 -13.58	103.30 24.72 -12.88	100.60 23.20 -11.93	108.00 13.73 -10.14
3	8.07 0.00 87.03	110.60 30.93 0.36	113.50 27.73 -6.73	112.50 28.07 -7.74	108.80 26.15 -11.78	106.60 22.31 -12.66	103.40 20.85 -12.83	110.50 10.54 -10.91
4	12.03 0.00 87.38	112.20 26.20 2.96	115.40 24.00 -4.64	115.40 24.68 -5.72	111.80 22.91 -10.48	109.20 19.42 -11.78	105.80 17.86 -12.52	111.30 7.82 -11.78
5	16.07 0.00 87.11	116.30 21.50 5.55	120.20 19.85 -1.87	120.20 20.61 -3.30	116.80 20.35 -8.95	114.20 17.02 -11.90	110.50 15.38 -13.37	114.70 5.39 -13.16
6	22.02 0.00 99.22	121.00 14.55 10.31	125.40 14.94 0.39	125.50 15.63 0.70	121.40 16.50 -3.40	121.60 14.51 -8.46	118.10 13.41 -11.75	121.40 3.28 -13.68

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 385

PI	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	0.03 0.00 86.88	77.81 45.22 -4.50	81.34 36.52 -13.32	80.05 38.80 -13.55	77.66 34.88 -17.30	75.20 30.65 -14.56	72.76 28.88 -12.58	83.78 16.13 -8.94
2	4.03 0.00 87.23	79.18 41.48 -2.85	82.11 34.25 -13.14	81.58 35.60 -13.16	78.48 31.83 -17.45	76.07 27.07 -15.35	73.40 25.88 -13.68	83.85 12.03 -6.65
3	8.02 0.00 87.74	81.23 37.22 2.03	83.81 32.94 -10.44	83.24 34.97 -11.28	78.54 30.28 -16.52	77.06 25.05 -15.28	73.75 23.84 -13.56	83.81 8.82 -10.78
4	12.06 0.00 88.56	85.27 32.48 4.00	88.32 27.64 -7.32	88.06 28.13 -8.37	84.40 27.02 -14.41	80.84 22.83 -14.60	77.57 20.78 -14.76	85.53 6.64 -11.56
5	16.12 0.00 87.40	87.41 29.01 5.50	89.54 25.33 -6.58	88.27 26.11 -8.28	86.05 24.60 -14.90	83.13 20.40 -16.73	79.24 18.57 -17.09	88.48 3.51 -13.33
8	22.09 0.00 98.57	95.15 21.68 10.61	98.77 18.54 -0.51	98.14 19.54 -2.23	95.02 20.84 -10.17	92.38 17.78 -13.25	88.48 18.03 -18.34	93.48 1.20 -14.64

PROPELLSIVE WING FLOW FIELD

RANK SUMMARY, RUN 366

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16	ALP17	ALP18	ALP19	ALP20	ALP21	ALP22	ALP23	ALP24	ALP25	ALP26	ALP27	ALP28	ALP29	ALP30	ALP31	ALP32	ALP33	ALP34	ALP35	ALP36	ALP37	ALP38	ALP39	ALP40	ALP41	ALP42	ALP43	ALP44	ALP45	ALP46	ALP47	ALP48	ALP49	ALP50	ALP51	ALP52	ALP53	ALP54	ALP55	ALP56	ALP57	ALP58	ALP59	ALP60	ALP61	ALP62	ALP63	ALP64	ALP65	ALP66	ALP67	ALP68	ALP69	ALP70	ALP71	ALP72	ALP73	ALP74	ALP75	ALP76	ALP77	ALP78	ALP79	ALP80	ALP81	ALP82	ALP83	ALP84	ALP85	ALP86	ALP87	ALP88	ALP89	ALP90	ALP91	ALP92	ALP93	ALP94	ALP95	ALP96	ALP97	ALP98	ALP99	ALP100	ALP101	ALP102	ALP103	ALP104	ALP105	ALP106	ALP107	ALP108	ALP109	ALP110	ALP111	ALP112	ALP113	ALP114	ALP115	ALP116	ALP117	ALP118	ALP119	ALP120	ALP121	ALP122	ALP123	ALP124	ALP125	ALP126	ALP127	ALP128	ALP129	ALP130	ALP131	ALP132	ALP133	ALP134	ALP135	ALP136	ALP137	ALP138	ALP139	ALP140	ALP141	ALP142	ALP143	ALP144	ALP145	ALP146	ALP147	ALP148	ALP149	ALP150	ALP151	ALP152	ALP153	ALP154	ALP155	ALP156	ALP157	ALP158	ALP159	ALP160	ALP161	ALP162	ALP163	ALP164	ALP165	ALP166	ALP167	ALP168	ALP169	ALP170	ALP171	ALP172	ALP173	ALP174	ALP175	ALP176	ALP177	ALP178	ALP179	ALP180	ALP181	ALP182	ALP183	ALP184	ALP185	ALP186	ALP187	ALP188	ALP189	ALP190	ALP191	ALP192	ALP193	ALP194	ALP195	ALP196	ALP197	ALP198	ALP199	ALP200	ALP201	ALP202	ALP203	ALP204	ALP205	ALP206	ALP207	ALP208	ALP209	ALP210	ALP211	ALP212	ALP213	ALP214	ALP215	ALP216	ALP217	ALP218	ALP219	ALP220	ALP221	ALP222	ALP223	ALP224	ALP225	ALP226	ALP227	ALP228	ALP229	ALP230	ALP231	ALP232	ALP233	ALP234	ALP235	ALP236	ALP237	ALP238	ALP239	ALP240	ALP241	ALP242	ALP243	ALP244	ALP245	ALP246	ALP247	ALP248	ALP249	ALP250	ALP251	ALP252	ALP253	ALP254	ALP255	ALP256	ALP257	ALP258	ALP259	ALP260	ALP261	ALP262	ALP263	ALP264	ALP265	ALP266	ALP267	ALP268	ALP269	ALP270	ALP271	ALP272	ALP273	ALP274	ALP275	ALP276	ALP277	ALP278	ALP279	ALP280	ALP281	ALP282	ALP283	ALP284	ALP285	ALP286	ALP287	ALP288	ALP289	ALP290	ALP291	ALP292	ALP293	ALP294	ALP295	ALP296	ALP297	ALP298	ALP299	ALP300	ALP301	ALP302	ALP303	ALP304	ALP305	ALP306	ALP307	ALP308	ALP309	ALP310	ALP311	ALP312	ALP313	ALP314	ALP315	ALP316	ALP317	ALP318	ALP319	ALP320	ALP321	ALP322	ALP323	ALP324	ALP325	ALP326	ALP327	ALP328	ALP329	ALP330	ALP331	ALP332	ALP333	ALP334	ALP335	ALP336	ALP337	ALP338	ALP339	ALP340	ALP341	ALP342	ALP343	ALP344	ALP345	ALP346	ALP347	ALP348	ALP349	ALP350	ALP351	ALP352	ALP353	ALP354	ALP355	ALP356	ALP357	ALP358	ALP359	ALP360	ALP361	ALP362	ALP363	ALP364	ALP365	ALP366	ALP367	ALP368	ALP369	ALP370	ALP371	ALP372	ALP373	ALP374	ALP375	ALP376	ALP377	ALP378	ALP379	ALP380	ALP381	ALP382	ALP383	ALP384	ALP385	ALP386	ALP387	ALP388	ALP389	ALP390	ALP391	ALP392	ALP393	ALP394	ALP395	ALP396	ALP397	ALP398	ALP399	ALP400	ALP401	ALP402	ALP403	ALP404	ALP405	ALP406	ALP407	ALP408	ALP409	ALP410	ALP411	ALP412	ALP413	ALP414	ALP415	ALP416	ALP417	ALP418	ALP419	ALP420	ALP421	ALP422	ALP423	ALP424	ALP425	ALP426	ALP427	ALP428	ALP429	ALP430	ALP431	ALP432	ALP433	ALP434	ALP435	ALP436	ALP437	ALP438	ALP439	ALP440	ALP441	ALP442	ALP443	ALP444	ALP445	ALP446	ALP447	ALP448	ALP449	ALP450	ALP451	ALP452	ALP453	ALP454	ALP455	ALP456	ALP457	ALP458	ALP459	ALP460	ALP461	ALP462	ALP463	ALP464	ALP465	ALP466	ALP467	ALP468	ALP469	ALP470	ALP471	ALP472	ALP473	ALP474	ALP475	ALP476	ALP477	ALP478	ALP479	ALP480	ALP481	ALP482	ALP483	ALP484	ALP485	ALP486	ALP487	ALP488	ALP489	ALP490	ALP491	ALP492	ALP493	ALP494	ALP495	ALP496	ALP497	ALP498	ALP499	ALP500	ALP501	ALP502	ALP503	ALP504	ALP505	ALP506	ALP507	ALP508	ALP509	ALP510	ALP511	ALP512	ALP513	ALP514	ALP515	ALP516	ALP517	ALP518	ALP519	ALP520	ALP521	ALP522	ALP523	ALP524	ALP525	ALP526	ALP527	ALP528	ALP529	ALP530	ALP531	ALP532	ALP533	ALP534	ALP535	ALP536	ALP537	ALP538	ALP539	ALP540	ALP541	ALP542	ALP543	ALP544	ALP545	ALP546	ALP547	ALP548	ALP549	ALP550	ALP551	ALP552	ALP553	ALP554	ALP555	ALP556	ALP557	ALP558	ALP559	ALP560	ALP561	ALP562	ALP563	ALP564	ALP565	ALP566	ALP567	ALP568	ALP569	ALP570	ALP571	ALP572	ALP573	ALP574	ALP575	ALP576	ALP577	ALP578	ALP579	ALP580	ALP581	ALP582	ALP583	ALP584	ALP585	ALP586	ALP587	ALP588	ALP589	ALP590	ALP591	ALP592	ALP593	ALP594	ALP595	ALP596	ALP597	ALP598	ALP599	ALP600	ALP601	ALP602	ALP603	ALP604	ALP605	ALP606	ALP607	ALP608	ALP609	ALP610	ALP611	ALP612	ALP613	ALP614	ALP615	ALP616	ALP617	ALP618	ALP619	ALP620	ALP621	ALP622	ALP623	ALP624	ALP625	ALP626	ALP627	ALP628	ALP629	ALP630	ALP631	ALP632	ALP633	ALP634	ALP635	ALP636	ALP637	ALP638	ALP639	ALP640	ALP641	ALP642	ALP643	ALP644	ALP645	ALP646	ALP647	ALP648	ALP649	ALP650	ALP651	ALP652	ALP653	ALP654	ALP655	ALP656	ALP657	ALP658	ALP659	ALP660	ALP661	ALP662	ALP663	ALP664	ALP665	ALP666	ALP667	ALP668	ALP669	ALP670	ALP671	ALP672	ALP673	ALP674	ALP675	ALP676	ALP677	ALP678	ALP679	ALP680	ALP681	ALP682	ALP683	ALP684	ALP685	ALP686	ALP687	ALP688	ALP689	ALP690	ALP691	ALP692	ALP693	ALP694	ALP695	ALP696	ALP697	ALP698	ALP699	ALP700	ALP701	ALP702	ALP703	ALP704	ALP705	ALP706	ALP707	ALP708	ALP709	ALP710	ALP711	ALP712	ALP713	ALP714	ALP715	ALP716	ALP717	ALP718	ALP719	ALP720	ALP721	ALP722	ALP723	ALP724	ALP725	ALP726	ALP727	ALP728	ALP729	ALP730	ALP731	ALP732	ALP733	ALP734	ALP735	ALP736	ALP737	ALP738	ALP739	ALP740	ALP741	ALP742	ALP743	ALP744	ALP745	ALP746	ALP747	ALP748	ALP749	ALP750	ALP751	ALP752	ALP753	ALP754	ALP755	ALP756	ALP757	ALP758	ALP759	ALP760	ALP761	ALP762	ALP763	ALP764	ALP765	ALP766	ALP767	ALP768	ALP769	ALP770	ALP771	ALP772	ALP773	ALP774	ALP775	ALP776	ALP777	ALP778	ALP779	ALP780	ALP781	ALP782	ALP783	ALP784	ALP785	ALP786	ALP787	ALP788	ALP789	ALP790	ALP791	ALP792	ALP793	ALP794	ALP795	ALP796	ALP797	ALP798	ALP799	ALP800	ALP801	ALP802	ALP803	ALP804	ALP805	ALP806	ALP807	ALP808	ALP809	ALP810	ALP811	ALP812	ALP813	ALP814	ALP815	ALP816	ALP817	ALP818	ALP819	ALP820	ALP821	ALP822	ALP823	ALP824	ALP825	ALP826	ALP827	ALP828	ALP829	ALP830	ALP831	ALP832	ALP833	ALP834	ALP835	ALP836	ALP837	ALP838	ALP839	ALP840	ALP841	ALP842	ALP843	ALP844	ALP845	ALP846	ALP847	ALP848	ALP849	ALP850	ALP851	ALP852	ALP853	ALP854	ALP855	ALP856	ALP857	ALP858	ALP859	ALP860	ALP861	ALP862	ALP863	ALP864	ALP865	ALP866	ALP867	ALP868	ALP869	ALP870	ALP871	ALP872	ALP873	ALP874	ALP875	ALP876	ALP877	ALP878	ALP879	ALP880	ALP881	ALP882	ALP883	ALP884	ALP885	ALP886	ALP887	ALP888	ALP889	ALP890	ALP891	ALP892	ALP893	ALP894	ALP895	ALP896	ALP897	ALP898	ALP899	ALP900	ALP901	ALP902	ALP903	ALP904	ALP905	ALP906	ALP907	ALP908	ALP909	ALP910	ALP911	ALP912	ALP913	ALP914	ALP915	ALP916	ALP917	ALP918	ALP919	ALP920	ALP921	ALP922	ALP923	ALP924	ALP925	ALP926	ALP927	ALP928	ALP929	ALP930	ALP931	ALP932	ALP933	ALP934	ALP935	ALP936	ALP937	ALP938	ALP939	ALP940	ALP941	ALP942	ALP943	ALP944	ALP945	ALP946	ALP947	ALP948	ALP949	ALP950	ALP951	ALP952	ALP953	ALP954	ALP955	ALP956	ALP957	ALP958	ALP959	ALP960	ALP961	ALP962	ALP963	ALP964	ALP965	ALP966	ALP967	ALP968	ALP969	ALP970	ALP971	ALP972	ALP973	ALP974	ALP975	ALP976	ALP977	ALP978	ALP979	ALP980	ALP981	ALP982	ALP983	ALP984	ALP985	ALP986	ALP987	ALP988	ALP989	ALP990	ALP991	ALP992	ALP993	ALP994	ALP995	ALP996	ALP997	ALP998	ALP999	ALP1000	ALP1001	ALP1002	ALP1003	ALP1004	ALP1005	ALP1006	ALP1007	ALP1008	ALP1009	ALP1010	ALP1011	ALP1012	ALP1013	ALP1014	ALP1015	ALP1016	ALP1017	ALP1018	ALP1019	ALP1020	ALP1021	ALP1022	ALP1023	ALP1024	ALP1025	ALP1026	ALP1027	ALP1028	ALP1029	ALP1030	ALP1031	ALP1032	ALP1033	ALP1034	ALP1035	ALP1036	ALP1037	ALP1038	ALP1039	ALP1040	ALP1041	ALP1042	ALP1043	ALP1044	ALP1045	ALP1046	ALP1047	ALP1048	ALP1049	ALP1050	ALP1051	ALP1052	ALP1053	ALP1054	ALP1055	ALP1056	ALP1057	ALP1058	ALP1059	ALP1060	ALP1061	ALP1062	ALP1063	ALP1064	ALP1065	ALP1066	ALP1067	ALP1068	ALP1069	ALP1070	ALP1071	ALP1072	ALP1073	ALP1074	ALP1075	ALP1076	ALP1077	ALP1078	ALP1079	ALP1080	ALP1081	ALP1082	ALP1083	ALP1084	ALP1085	ALP1086	ALP1087	ALP1088	ALP1089	ALP1090	ALP1091	ALP1092	ALP1093	ALP1094	ALP1095	ALP1096	ALP1097	ALP1098	ALP1099	ALP1100	ALP1101	ALP1102	ALP1103	ALP1104	ALP1105	ALP1106	ALP1107	ALP1108	ALP1109	ALP1110	ALP1111	ALP1112	ALP1113	ALP1114	ALP1115	ALP1116	ALP1117	ALP1118	ALP1119	ALP1120	ALP1121	ALP1122	ALP1123	ALP1124	ALP1125	ALP1126	ALP1127	ALP1128	ALP1129	ALP1130	ALP1131	ALP1132	ALP1133	ALP1134	ALP1135	ALP1136	ALP1137	ALP1138	ALP1139	ALP1140	ALP1141	ALP1142	ALP1143	ALP1144	ALP1145	ALP1146	ALP1147	ALP1148	ALP1149	ALP1150	ALP1151	ALP1152	ALP1153	ALP1154	ALP1155	ALP1156	ALP1157	ALP1158	ALP1159	ALP1160	ALP1161	ALP1162	ALP1163	ALP1164	ALP1165	ALP1166	ALP1167	ALP1168	ALP1169	ALP1170	ALP1171	ALP1172	ALP1173	ALP1174	ALP1175	ALP1176	ALP1177	ALP1178	ALP1179	ALP1180	ALP1181	ALP1182	ALP1183	ALP1184	ALP1185	ALP1186	ALP1187	ALP1188	ALP1189	ALP1190	ALP1191	ALP1192	ALP1193	ALP1194	ALP1195	ALP1196	ALP1197	ALP1198	ALP1199	ALP1200	ALP1201	ALP1202	ALP1203	ALP1204	ALP1205	ALP1206	ALP1207	ALP1208	ALP1209	ALP1210	ALP1211	ALP1212	ALP1213
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PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 300

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
2	0.01 0.00 85.38	94.43 12.07 7.41	128.50 18.28 0.06	156.70 19.39 1.72	154.00 21.03 -2.13	158.10 18.80 -6.87	161.20 16.13 -9.47	168.00 10.86 -8.11
3	4.06 0.00 87.71	94.48 5.15 8.08	124.00 8.33 3.00	137.10 12.16 6.38	157.10 12.37 7.52	158.20 15.75 10.17	163.60 23.00 -1.18	168.30 13.80 -14.45
4	8.02 0.00 87.82	93.55 -0.18 16.84	120.10 8.00 8.59	143.50 7.35 7.35	158.00 5.01 7.17	164.10 4.73 11.34	169.00 7.35 15.74	175.10 11.78 15.08
5	12.05 0.00 89.08	101.70 -6.34 12.84	123.00 0.81 10.22	143.00 2.88 16.13	153.20 -0.48 8.13	162.60 -2.28 11.04	164.00 -2.55 14.42	168.40 -4.06 17.86
6	18.00 0.00 87.44	95.48 -12.78 14.48	118.40 -4.48 13.08	138.70 -1.72 13.31	148.50 -4.82 10.31	159.50 -6.88 12.11	163.30 -7.95 14.12	161.00 -11.14 19.58
7	22.62 0.00 94.84	112.30 -18.90 17.72	132.10 -11.21 17.31	143.10 -8.71 20.82	163.00 -11.11 17.95	168.70 -12.80 16.48	174.40 -13.82 13.88	182.20 -18.58 8.82

PROPELLSIVE MING FLOW FIELD

RARE SUMMARY, RUN 370

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
1	5.02 0.00 85.33	143.38 37.47 -8.38	148.00 36.83 -10.75	145.90 31.00 -11.00	140.90 27.80 -4.38	140.40 24.26 -11.82	140.40 22.00 -11.51	143.00 17.22 -10.02
2	4.02 0.00 83.65	153.70 35.20 4.60	157.10 31.77 -5.42	154.40 27.84 -9.53	145.10 27.94 -15.72	147.40 22.43 -14.25	146.00 20.00 -14.78	147.70 14.29 -12.72
3	7.89 0.00 85.82	161.30 30.85 18.04	163.70 31.85 7.88	162.60 33.00 3.82	156.80 33.12 -8.22	154.00 28.03 -10.45	148.60 25.84 -15.37	151.40 18.07 -15.42
4	12.04 0.00 88.97	170.90 28.50 21.31	178.90 31.98 8.38	178.50 33.62 5.26	168.00 33.57 -5.51	168.00 28.47 -11.47	163.50 24.48 -17.18	167.20 18.22 -18.22
5	18.01 0.00 87.22	175.00 23.80 28.80	182.80 28.34 18.98	182.40 31.48 18.75	177.30 35.01 8.90	178.40 32.83 0.20	173.70 30.08 -8.13	174.00 18.12 -18.61
6	21.99 0.00 93.64	154.70 17.27 33.81	156.26 21.27 28.08	140.70 23.14 35.72	125.90 28.30 37.83	115.10 26.78 38.84	101.10 34.58 35.00	87.86 31.22 12.50

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 371

PT	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	0.00 0.00 87.47	101.40 30.37 -8.29	108.00 30.81 -12.15	105.00 33.23 -13.48	102.00 28.78 -18.63	101.40 26.83 -13.28	98.25 25.22 -13.61	104.40 17.83 -16.76
2	4.03 0.00 87.25	110.40 38.37 -5.02	118.00 36.57 -12.54	113.50 32.58 -14.95	108.20 28.08 -20.37	105.50 25.51 -15.50	102.00 23.12 -18.37	108.20 15.31 -12.11
3	8.02 0.00 87.12	118.00 38.17 5.78	124.00 31.32 -7.54	124.00 27.83 -11.52	120.00 27.83 -18.47	118.30 23.52 -16.28	115.00 20.40 -17.76	115.30 13.50 -16.03
4	12.02 0.00 86.04	122.20 35.98 21.01	122.00 35.09 1.68	121.70 38.42 -8.00	117.70 32.08 -18.17	116.40 27.27 -18.51	113.40 23.03 -21.00	118.50 12.82 -18.62
5	18.02 0.00 86.76	132.90 27.65 24.57	136.00 28.34 12.07	132.00 32.80 10.30	126.40 34.82 -1.71	124.70 30.84 -6.95	123.10 28.13 -15.57	124.80 17.81 -17.88
6	22.08 0.00 86.38	134.80 22.50 26.40	127.00 24.32 15.82	123.00 28.91 20.48	113.40 35.35 14.58	107.70 34.83 18.51	100.00 37.80 8.85	97.57 24.57 -4.10

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 372

PT	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	-0.01 0.00 85.98	71.77 44.83 -8.31	81.38 30.15 -14.00	78.00 28.38 -17.34	75.27 31.00 -24.71	72.82 28.50 -15.40	71.23 26.33 -15.85	77.12 17.21 -10.06
2	4.00 0.00 87.17	78.17 44.71 -8.34	84.28 33.13 -15.41	82.50 33.70 -18.48	78.41 28.78 -28.28	75.20 27.27 -17.84	72.32 25.14 -18.05	78.00 14.83 -13.55
3	8.00 0.00 86.13	81.06 42.50 -4.58	88.00 38.85 -14.73	86.87 33.41 -17.57	82.88 28.83 -26.57	78.06 27.13 -18.81	75.30 24.83 -21.71	78.70 12.85 -14.74
4	12.03 0.00 86.64	82.45 38.83 -6.52	84.72 38.07 -12.58	82.48 28.83 -15.18	84.40 26.75 -23.54	81.15 23.81 -18.94	80.58 21.44 -21.90	87.33 11.85 -17.46
5	16.05 0.00 86.07	83.25 38.82 13.35	86.88 31.48 -13.35	89.43 30.85 -16.52	85.86 28.71 -25.21	84.84 22.04 -21.38	83.35 17.74 -23.83	87.84 7.12 -18.44
6	21.07 0.00 97.85	84.81 28.85 32.54	88.12 25.84 12.74	98.12 31.28 12.48	92.03 34.21 -5.04	81.80 28.12 -5.82	71.01 -7.53 -18.87	93.00 14.76 -17.94

PROPULSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 373

PT	ALPHA DETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	0.02 0.00 07.22	53.05 53.14 -16.85	83.80 27.91 -17.95	82.43 37.74 -22.24	58.40 22.30 -33.61	54.83 31.77 -18.18	52.70 28.00 -21.32	58.20 18.75 -11.48
2	4.00 0.00 05.57	53.82 48.18 -10.18	83.78 24.38 -16.73	81.55 34.24 -22.77	58.14 27.84 -34.38	54.88 26.88 -18.18	52.92 23.87 -22.01	54.47 11.87 -12.87
3	8.00 0.00 05.16	58.37 47.21 -8.12	83.84 28.91 -20.56	84.15 31.58 -23.88	60.14 25.71 -35.18	54.72 28.30 -23.85	52.79 22.28 -28.09	58.18 16.07 -18.81
4	11.88 0.00 08.14	61.21 45.18 -7.53	88.37 24.88 -18.32	87.13 31.88 -24.06	63.37 25.74 -35.98	58.88 25.52 -24.00	56.23 21.40 -28.82	57.24 10.88 -18.88
5	16.03 0.00 07.01	67.88 40.31 0.28	72.54 24.31 -14.87	73.88 31.88 -18.75	68.52 28.88 -32.20	65.76 25.31 -22.88	61.79 22.84 -28.81	61.31 11.05 -20.18
6	21.88 0.00 08.54	78.35 38.20 12.58	81.54 28.38 -11.08	84.30 28.88 -18.83	81.07 23.88 -28.88	78.24 20.52 -22.77	75.14 17.87 -27.88	74.18 7.28 -23.87

PROPULSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 374

PT	ALPHA DETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	-0.01 0.00 07.98	34.82 64.88 -8.88	48.38 21.23 -18.48	48.18 25.82 -22.87	43.23 27.38 -22.31	37.78 24.18 -18.88	35.88 30.88 -25.45	41.14 15.48 -13.28
2	3.88 0.00 07.38	28.87 57.12 -27.37	48.33 20.54 -18.15	48.23 22.85 -24.73	43.28 28.47 -23.48	40.37 28.30 -21.81	38.25 27.88 -27.38	44.22 16.72 -13.84
3	7.98 0.00 07.88	48.37 58.87 -23.88	48.48 18.12 -18.88	47.88 22.58 -28.38	48.28 28.18 -24.18	40.85 25.88 -23.41	37.85 23.88 -33.87	44.82 5.43 -14.35
4	12.85 0.00 07.78	47.22 53.85 -24.53	48.38 14.58 -21.88	48.73 28.52 -28.82	48.75 18.34 -23.35	40.78 26.23 -28.81	38.88 18.88 -32.78	43.14 2.82 -17.37
5	18.84 0.00 05.77	48.33 48.25 -17.88	53.23 17.38 -22.82	54.28 27.37 -30.33	51.88 18.11 -24.48	48.48 20.81 -28.87	43.84 18.31 -31.41	44.85 4.58 -21.88
6	22.87 0.00 08.87	58.88 43.47 2.88	52.88 18.28 -20.71	54.88 25.51 -28.18	52.48 18.72 -28.18	47.34 18.87 -32.34	45.88 18.28 -38.75	43.88 3.85 -28.37

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY. RUN 375												
PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	ALP1	ALP2	ALP3	ALP4
BETA	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP1	ALP2	ALP3	ALP4
WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
2	-0.03	98.78	119.20	144.60	154.40	154.50	156.70	155.40	10.48	16.00	16.51	16.90
	0.00	7.19	6.82	4.84	4.42	-2.07	-8.27	-11.12	18.75	18.00	18.00	18.00
	18.75	7.19	6.82	4.84	4.42	-2.07	-8.27	-11.12	18.75	18.00	18.00	18.00
3	-0.07	98.91	119.30	148.40	154.10	156.00	160.60	157.00	11.07	17.02	17.43	17.42
	0.00	5.00	4.37	3.53	2.32	-5.50	-2.39	-10.67	32.82	32.82	32.82	32.82
	32.82	5.00	4.37	3.53	2.32	-5.50	-2.39	-10.67	32.82	32.82	32.82	32.82
4	-0.03	98.85	121.70	148.00	154.00	158.10	161.40	157.00	12.97	18.01	18.17	18.17
	0.00	4.16	2.81	2.54	0.46	-6.87	-8.03	-8.99	65.78	65.78	65.78	65.78
	65.78	4.16	2.81	2.54	0.46	-6.87	-8.03	-8.99	65.78	65.78	65.78	65.78
5	0.03	94.98	120.90	148.00	154.00	158.30	162.00	158.00	13.74	17.73	18.27	18.27
	0.00	3.82	3.11	2.65	0.07	-8.91	-8.08	-8.77	87.32	87.32	87.32	87.32
	87.32	3.82	3.11	2.65	0.07	-8.91	-8.08	-8.77	87.32	87.32	87.32	87.32

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY. RUN 376												
PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	ALP1	ALP2	ALP3	ALP4
BETA	BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP1	ALP2	ALP3	ALP4
WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
1	0.02	78.88	98.88	121.00	128.30	128.00	131.00	128.00	18.22	18.75	18.75	18.75
	0.00	8.76	7.63	4.76	4.71	-2.07	-8.10	-11.17	18.22	18.75	18.75	18.75
	18.22	8.76	7.63	4.76	4.71	-2.07	-8.10	-11.17	18.22	18.75	18.75	18.75
2	0.00	78.29	98.82	122.40	128.00	128.00	134.00	128.00	32.82	32.82	32.82	32.82
	0.00	12.33	16.73	17.02	18.00	-5.05	-9.10	-10.86	32.82	32.82	32.82	32.82
	32.82	12.33	16.73	17.02	18.00	-5.05	-9.10	-10.86	32.82	32.82	32.82	32.82
3	-0.03	80.88	102.30	122.70	128.40	130.00	134.70	128.00	-0.63	0.00	0.00	0.00
	0.00	13.86	17.64	17.07	20.40	20.27	18.18	12.86	65.83	65.83	65.83	65.83
	65.83	13.86	17.64	17.07	20.40	20.27	18.18	12.86	65.83	65.83	65.83	65.83
4	-0.02	84.52	102.20	123.00	128.00	131.10	134.40	130.10	-0.62	0.00	0.00	0.00
	0.00	14.87	17.52	17.77	20.30	19.92	15.96	12.00	88.87	88.87	88.87	88.87
	88.87	14.87	17.52	17.77	20.30	19.92	15.96	12.00	88.87	88.87	88.87	88.87

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 377

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
1	-0.03 0.00 10.20	54.00 16.83 5.44	87.40 18.95 7.55	84.84 14.67 4.47	88.50 18.10 5.20	88.80 21.81 -3.06	87.32 17.95 -8.37	88.73 14.81 -11.65
2	0.02 0.00 32.77	55.63 14.28 0.73	76.80 18.24 4.50	85.14 18.18 4.43	88.48 18.98 4.23	88.50 21.28 -5.35	82.81 18.90 -8.73	85.73 15.14 -12.63
3	0.00 0.00 65.50	55.60 16.46 1.38	71.07 18.52 3.37	82.78 15.28 2.97	86.84 19.81 2.27	90.17 20.56 -6.45	84.15 18.07 -8.87	86.90 14.21 -10.75
4	-0.02 0.00 87.20	55.95 15.25 0.38	71.15 17.68 3.44	86.81 18.80 2.93	88.38 18.71 1.75	90.43 20.03 -6.80	83.87 15.78 -8.58	87.13 13.93 -10.47

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 378

PT	ALPHA BETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
1	0.00 0.00 10.51	38.55 14.36 1.10	45.72 18.57 8.39	60.85 12.40 4.00	84.18 15.04 7.83	86.90 22.21 -1.78	84.19 18.25 -7.07	88.14 18.58 -12.84
2	-0.02 0.00 32.52	38.77 17.11 -3.20	48.63 18.87 8.20	61.22 14.25 3.87	82.83 17.81 8.31	81.58 21.00 -5.18	85.20 18.90 -8.58	94.84 18.47 -12.88
3	-0.02 0.00 85.71	38.78 18.07 -5.38	48.58 18.72 4.08	61.21 14.11 3.22	82.47 18.04 4.58	81.31 21.20 -8.80	85.32 18.28 -8.24	94.00 18.35 -13.81
4	0.02 0.00 87.40	37.51 17.23 -5.04	50.20 18.51 4.39	62.58 14.48 2.49	81.87 18.37 4.88	80.80 21.05 -8.88	85.09 18.77 -7.45	92.86 18.18 -13.18

PROPELLSIVE WING FLOW FIELD

PT	RAKE SUMMARY. RUN 370											
	ALPHA	BETA	HEIGHT	VI1	VI2	VI3	VI4	VI5	VI6	VI7	VI8	VI9
				ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9
				BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8	BET9
2	0.01	0.00	18.27	41.41	41.31	43.00	41.11	40.37	44.76	34.47	34.47	32.36
				46.08	35.25	22.90	22.33	28.58	21.60	58.60	58.60	72.78
				-23.97	-1.31	1.03	13.15	-0.79	1.54	-2.15	-2.15	-9.00
3	-0.02	0.00	32.73	48.01	48.58	47.42	45.21	44.47	47.05	38.74	38.74	33.48
				48.27	47.35	26.00	31.01	35.48	27.84	51.02	51.02	62.82
				-26.44	-10.82	-7.71	1.11	-11.00	-7.08	-18.93	-18.93	-24.95
4	0.01	0.00	65.85	58.96	54.84	32.00	48.86	56.33	50.23	45.51	45.51	38.00
				47.33	45.57	32.00	36.38	37.34	31.21	46.81	46.81	63.75
				-32.94	-24.40	-17.18	-8.93	-16.84	-12.94	-27.81	-27.81	-48.86
5	-0.01	0.00	86.84	58.83	54.84	31.29	50.58	50.87	51.79	45.51	45.51	37.30
				45.75	43.46	34.82	34.50	35.58	28.75	47.84	47.84	61.40
				-28.18	-21.09	-17.63	-8.27	-17.07	-12.31	-27.82	-27.82	-41.23

PROPELLSIVE WING FLOW FIELD

PT	RAKE SUMMARY. RUN 380											
	ALPHA	BETA	HEIGHT	VI1	VI2	VI3	VI4	VI5	VI6	VI7	VI8	VI9
				ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9
				BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8	BET9
1	-0.01	0.00	18.43	38.37	33.28	33.13	34.00	28.73	34.04	32.36	32.36	22.46
				45.77	51.82	24.28	22.88	41.30	26.88	72.78	72.78	82.82
				-31.19	2.07	3.06	22.82	3.11	2.78	-9.00	-9.00	-24.95
2	0.00	0.00	32.73	37.80	33.82	36.78	32.87	32.43	34.08	33.48	33.48	22.46
				48.80	51.30	22.43	22.45	41.18	31.88	62.82	62.82	72.78
				-37.14	-10.82	-5.77	15.76	-12.51	-5.00	-24.95	-24.95	-48.86
3	-0.03	0.00	65.76	41.81	38.03	34.03	35.00	28.72	34.08	38.00	38.00	22.46
				45.81	51.82	32.45	25.37	42.30	31.88	63.75	63.75	72.78
				-35.66	-23.15	-15.55	4.73	-20.56	-11.14	-48.86	-48.86	-82.82
4	-0.01	0.00	87.18	42.82	38.38	35.00	33.85	38.52	37.15	37.30	37.30	22.46
				47.33	49.87	28.37	27.57	41.42	32.51	61.40	61.40	72.78
				-40.32	-22.78	-14.40	4.05	-18.05	-8.05	-41.23	-41.23	-82.82

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 381

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
1	-0.01 0.00 18.91	57.50 34.98 -8.28	58.82 33.45 0.20	60.58 25.05 0.98	60.18 24.23 8.11	58.78 25.53 -1.17	82.20 21.01 -1.35	51.88 28.71 -8.24
2	0.03 0.00 32.98	68.70 45.28 -12.15	68.09 46.78 -8.28	65.50 33.22 -9.51	64.38 31.74 -4.85	64.82 31.07 -10.27	86.24 28.66 -8.44	58.02 32.81 -12.82
3	0.00 0.00 85.57	75.74 43.78 -17.87	74.22 38.85 -15.78	71.78 33.35 -14.91	68.37 33.07 -11.12	70.35 30.98 -15.61	71.07 27.01 -11.86	62.86 32.80 -17.06
4	0.03 0.00 87.19	75.68 43.48 -18.28	73.78 41.03 -16.70	72.02 32.81 -14.88	69.78 32.82 -11.30	70.38 31.04 -18.15	70.86 27.48 -12.47	82.79 32.76 -17.80

PROPELLSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 382

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
1	0.01 0.00 18.53	82.02 32.84 -1.06	84.58 31.30 2.07	86.83 25.82 2.02	88.08 24.52 3.00	88.43 25.83 -1.58	88.07 19.81 -1.05	82.27 19.81 -4.55
2	-0.01 0.00 32.84	100.10 40.08 -5.33	98.84 37.34 -8.71	98.41 31.57 -7.16	95.83 30.10 -8.20	95.81 28.91 -8.87	98.41 24.84 -8.88	82.73 25.04 -10.99
3	-0.01 0.00 85.87	104.80 38.50 -11.73	103.20 37.21 -12.82	102.00 32.18 -12.38	100.00 30.30 -11.14	98.83 28.40 -13.26	98.27 25.84 -11.41	82.85 25.84 -13.78
4	-0.03 0.00 87.09	103.00 38.85 -11.86	102.40 37.37 -13.14	102.00 31.94 -12.88	98.58 30.27 -11.04	98.05 28.48 -13.38	98.74 25.34 -11.45	82.43 25.82 -13.38

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY. RUN 343

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
BETA	BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8
1	0.02	122.50	127.70	128.30	127.80	128.80	131.10	128.80
	0.00	32.00	31.36	28.14	25.88	23.16	20.54	18.20
	17.50	3.28	1.80	0.52	-0.75	-3.80	-3.75	-5.80
2	-0.08	142.30	141.30	138.30	135.50	138.10	138.80	132.20
	0.00	38.11	34.78	30.38	27.85	24.72	22.39	20.85
	32.80	-3.73	-8.85	-7.58	-8.14	-8.81	-8.86	-10.28
3	0.01	148.80	144.00	142.70	138.30	138.70	140.10	134.70
	0.00	37.31	34.40	28.80	27.85	24.77	22.58	21.30
	68.14	-8.76	-10.71	-10.58	-10.16	-11.29	-8.88	-11.15
4	-0.04	148.30	144.80	143.50	140.30	140.10	140.80	133.90
	0.00	37.27	33.81	30.00	28.10	25.48	23.23	22.54
	92.95	-8.83	-10.95	-10.73	-10.45	-11.95	-10.33	-11.86

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY. RUN 387

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
BETA	BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8
2	-0.01	133.30	138.30	137.50	138.80	113.10	94.58	85.83
	0.00	-8.03	-7.61	-7.38	-8.75	-11.87	-10.38	-9.38
	87.48	7.74	5.28	5.80	4.42	5.37	8.08	8.18
3	4.84	138.80	145.80	142.80	138.80	120.70	102.30	85.88
	0.00	-18.77	-18.88	-18.45	-18.23	-17.14	-13.84	-8.72
	87.42	10.20	7.32	4.21	0.48	-0.83	-1.72	-1.07
4	12.85	140.80	147.70	153.80	154.50	138.80	124.90	114.10
	0.00	-47.48	-62.45	-34.82	-38.88	-27.13	-22.87	-18.18
	87.58	0.77	-8.18	-14.83	-14.74	-14.27	-14.28	-11.29

PROPULSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 300													
PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	BETA	ALP1	ALP2	ALP3	ALP4
HEIGHT		BET1	BET2	BET3	BET4	BET5	BET6	BET7		BET1	BET2	BET3	BET4
1	0.02	70.90	74.43	71.46	73.14	70.51	72.00	71.58	0.00	-13.35	-12.21	-13.95	-16.61
	88.95	11.01	8.10	16.45	9.76	13.06	14.53	17.30					
2	4.02	70.88	74.86	71.78	73.38	70.89	72.45	85.78	0.00	-16.57	-15.58	-16.18	-20.38
	87.83	13.88	11.27	13.75	11.23	11.88	12.38	16.44					
3	12.04	71.50	72.20	87.68	71.86	88.35	68.70	83.88	0.00	-37.75	-35.80	-35.31	-35.15
	88.95	15.28	8.53	2.23	-3.07	-4.18	-2.13	1.16					

PROPULSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 300													
PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7	BETA	ALP1	ALP2	ALP3	ALP4
HEIGHT		BET1	BET2	BET3	BET4	BET5	BET6	BET7		BET1	BET2	BET3	BET4
1	0.01	87.51	102.80	99.81	100.70	95.28	88.68	78.84	0.00	-11.42	-10.16	-11.38	-14.66
	87.04	9.45	7.74	9.34	8.41	9.54	11.99	15.38					
2	4.06	87.38	102.80	101.90	101.80	88.82	83.63	82.18	0.00	-18.38	-18.73	-20.82	-23.82
	88.72	12.18	10.33	10.13	7.87	7.00	7.62	10.07					
3	12.10	85.44	92.80	100.20	103.60	87.33	90.05	84.81	0.00	-45.31	-37.87	-34.18	-30.01
	87.82	0.27	-8.60	-12.81	-13.77	-13.68	-12.55	-7.24					

PROPULSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 382

PT	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	-0.01 0.00 88.99	89.76 3.54 -9.20	92.56 6.38 -10.38	90.78 -1.00 -10.48	88.28 -4.82 -8.95	92.23 -3.33 -5.00	87.23 -6.50 -8.82	82.88 -7.49 -5.90
2	-0.02 0.00 58.99	83.52 -2.22 15.67	98.07 -4.81 13.78	98.58 -7.78 12.78	97.58 -11.95 12.56	98.00 -11.48 8.81	98.77 -14.21 7.08	101.20 -14.83 4.32
3	-0.01 0.00 95.98	95.78 0.00 18.23	99.28 -4.80 18.72	100.10 -9.45 17.27	98.83 -15.17 18.88	94.48 -17.88 11.48	97.58 -18.81 8.97	101.00 -18.40 4.50
4	-0.01 0.00 83.05	99.18 4.18 23.83	102.90 -1.34 25.40	104.30 -18.28 28.34	103.50 -26.88 24.48	99.78 -27.88 18.34	101.00 -28.48 11.00	104.00 -28.48 8.82
5	-0.01 0.00 88.07	108.60 25.60 28.82	127.10 8.77 28.82	144.40 -28.48 33.61	161.00 -28.48 31.57	168.40 -41.28 17.82	188.20 -38.41 12.58	198.50 -32.48 7.38
6	-0.01 0.00 88.10	137.90 18.40 9.11	148.10 18.25 12.61	168.20 27.15 51.81	188.40 -30.37 14.54	198.40 -41.28 3.18	218.40 -41.28 8.84	238.40 -41.28 5.00
7	-0.02 0.00 71.97	143.80 12.35 -5.21	168.10 11.97 -8.34	188.20 8.25 -28.47	208.40 -30.37 -22.18	228.40 -41.28 -12.64	248.40 -41.28 -6.42	268.40 -41.28 4.42
8	-0.01 0.00 74.93	110.00 14.18 -4.92	138.10 0.30 -7.07	161.00 -12.71 -11.88	188.40 -30.37 -13.31	218.40 -41.28 -11.13	248.40 -41.28 -2.21	278.40 -41.28 4.58
9	-0.02 0.00 77.93	111.70 17.80 -8.50	181.30 -3.12 -13.38	183.20 -26.17 -16.18	198.40 -30.37 -16.18	218.40 -41.28 -8.85	238.40 -41.28 -6.88	258.40 -41.28 8.48
10	-0.02 0.00 80.99	100.10 15.28 -15.28	125.90 -4.11 -21.05	172.70 -18.88 -15.58	171.20 -17.40 -8.92	183.80 -17.40 -4.67	194.70 -17.40 -6.00	225.30 -21.11 4.31
11	-0.01 0.00 83.96	92.58 6.16 -13.08	94.94 0.20 -14.99	93.84 -4.93 -15.24	91.82 -8.84 -11.78	93.18 -5.20 -8.83	105.20 -14.50 -7.71	148.00 -21.20 -0.44
12	-0.01 0.00 87.03	88.88 3.52 -8.35	92.58 0.58 -10.20	90.53 -1.83 -10.51	88.50 -4.20 -8.38	90.84 -3.43 -8.38	98.97 -8.83 -8.38	99.92 -8.91 -8.52

PROPULSIVE WING FLOW FIELD

RAKE SUMMARY, RUN 381

PT	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
3	0.02 0.00 87.05	 -1.01 -4.36	 -4.78 -1.44	 0.67 0.46	 0.41 -0.53	 58.32 -71.48	 -2.81 -33.41	 89.80 38.83
4	0.03 0.00 84.07	 -1.02 -4.17	 -4.83 -1.38	 0.66 0.46	 0.42 -0.53	 70.60 -82.48	 -2.83 -33.46	 90.09 44.84
5	0.03 0.00 81.98	 -1.04 -3.86	 -4.72 -1.33	 0.66 0.46	 0.43 -0.53	 70.60 -82.48	 -2.83 -33.46	 90.09 44.84
6	0.03 0.00 78.08	 -1.05 -3.55	 -4.97 -1.23	 0.66 0.46	 0.44 -0.53	 70.60 -82.48	 -2.83 -33.46	 90.09 44.84
7	0.04 0.00 75.08	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
8	0.01 0.00 18.88	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
9	0.01 0.00 58.88	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
10	0.02 0.00 57.07	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
11	0.02 0.00 62.86	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
12	0.02 0.00 62.86	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
13	0.02 0.00 65.00	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
14	0.02 0.00 68.00	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
15	0.01 0.00 71.88	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
16	0.02 0.00 75.04	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
17	0.01 0.00 78.02	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
18	0.00 0.00 81.01	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
19	0.00 0.00 83.98	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94
20	0.00 0.00 86.98	 -1.07 -3.17	 -5.23 -1.08	 0.65 0.50	 0.45 -0.54	 70.60 -82.48	 -2.84 -33.58	 90.18 38.94

PROPULSIVE WING FLOW FIELD

RARE SUMMARY, RUN 393

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
1	0.01 0.00 57.12	88.08 -3.97 16.53	86.05 -7.48 13.71	88.83 -10.28 13.18	88.83 -13.32 13.14	88.72 -13.32 9.58	87.12 -18.87 8.83	72.37 -15.47 4.38
2	0.00 0.00 58.81	88.28 -3.24 20.85	86.15 -8.40 18.75	88.39 -12.42 16.27	88.94 -17.86 17.16	88.66 -18.14 12.83	87.82 -22.81 8.26	73.67 -20.58 4.72
3	0.00 0.00 62.88	88.13 -0.07 25.33	71.01 -8.74 25.53	72.10 -13.99 25.17	72.20 -23.11 23.75	88.70 -27.67 18.02	70.68 -31.02 13.05	75.25 -28.65 7.43
4	0.00 0.00 68.12	74.37 8.51 28.87	87.87 4.44 31.38	81.25 -10.34 38.13	84.30 -32.22 34.78	74.48 -40.83 23.31	78.58 -48.28 15.80	78.88 -35.57 8.47
5	0.00 0.00 88.08	85.59 18.10 28.82	112.40 7.15 25.71	127.00 -8.41 32.97	121.90 -31.85 33.06	92.18 -54.42 20.74	83.52 -68.24 14.58	83.34 -42.28 8.45
6	0.01 0.00 72.06	108.70 15.52 6.10	118.70 9.77 5.16	48.82 -23.17 11.53	54.12 -35.32 2.89	105.80 -54.33 -0.65	88.14 -53.21 6.66	84.58 -48.00 7.38
7	0.01 0.00 75.00	112.80 8.82 -8.57	134.50 1.32 -7.78	160.50 -3.85 -26.61	91.32 -35.32 -21.05	94.11 -46.20 -13.91	85.81 -47.84 -1.22	82.95 -44.86 5.88
8	0.01 0.00 77.92	76.33 13.83 -7.30	102.15 -2.19 -6.01	128.40 -16.07 -5.80	83.50 -30.82 -9.44	88.80 -34.94 -11.28	82.18 -38.35 -2.52	78.05 -38.35 5.05
9	0.00 0.00 81.02	76.12 18.34 -8.48	108.00 -0.80 -11.88	148.70 -20.83 -9.58	144.00 -25.47 -8.02	142.40 -22.27 -3.64	140.40 -23.88 2.00	120.70 -25.51 8.27
10	0.00 0.00 83.97	69.43 16.65 -15.78	90.34 -1.31 -22.30	143.30 -20.80 -15.14	183.90 -26.14 -8.43	158.70 -24.00 -4.97	187.30 -28.38 -6.47	187.00 -26.53 3.06
11	0.00 0.00 86.85	82.58 10.14 -16.47	83.38 3.25 -18.47	70.32 -8.56 -18.69	70.32 -15.65 -15.32	71.01 -13.72 -10.23	85.23 -22.28 -7.07	120.70 -27.83 -1.07

PROPULSIVE WING FLOW FIELD

RARE SUMMARY, RUN 394

PT	ALPHA BETA HEIGHT	VT1 ALP1 BET1	VT2 ALP2 BET2	VT3 ALP3 BET3	VT4 ALP4 BET4	VT5 ALP5 BET5	VT6 ALP6 BET6	VT7 ALP7 BET7
2	0.00 0.00 58.78	131.20 4.20 -3.80	135.80 4.19 -3.48	137.80 4.00 -3.71	133.50 4.55 -2.52	135.50 4.31 -3.28	134.80 5.02 -2.07	133.20 4.88 -1.28
3	0.00 0.00 59.87	131.10 4.53 -3.81	138.50 4.44 -3.85	138.00 4.41 -4.03	133.70 5.00 -3.22	138.80 4.73 -3.22	135.10 5.08 -2.35	132.80 4.88 -1.50
4	0.00 0.00 62.86	131.10 4.47 -4.23	138.40 4.58 -4.68	137.80 4.57 -4.41	132.80 5.33 -3.35	138.50 5.18 -3.84	135.30 5.78 -3.31	132.40 5.18 -2.95
5	0.00 0.00 66.00	131.40 4.48 -4.50	135.30 4.73 -4.45	138.70 4.88 -4.83	132.80 5.51 -4.43	138.40 5.32 -4.38	134.70 6.00 -4.57	132.70 5.81 -5.00
6	0.00 0.00 69.06	131.20 4.45 -4.77	134.70 4.88 -4.77	137.70 4.42 -5.35	132.80 5.35 -4.43	136.40 4.85 -4.85	134.80 5.60 -5.67	132.20 5.88 -8.48
7	0.01 0.00 71.85	130.80 4.28 -5.11	135.20 4.47 -4.88	137.30 4.21 -5.58	132.20 5.04 -4.84	136.40 4.38 -5.18	134.50 5.60 -8.08	132.20 5.32 -8.78
8	0.01 0.00 74.85	130.20 4.08 -5.27	135.40 4.23 -5.08	137.30 3.82 -5.72	132.70 4.52 -5.10	136.10 3.84 -5.52	134.10 4.84 -8.32	131.80 4.85 -8.77
9	0.01 0.00 77.88	130.40 3.84 -5.40	135.40 3.81 -5.18	136.70 3.87 -5.71	132.40 4.34 -5.11	135.80 3.91 -5.33	133.80 4.38 -8.26	131.30 4.10 -8.95
10	0.01 0.00 80.87	130.80 3.45 -5.48	135.20 3.81 -5.25	136.30 3.48 -5.73	132.80 3.91 -5.13	135.80 3.08 -5.38	133.70 4.07 -8.08	131.00 3.78 -8.32
11	0.00 0.00 83.97	128.80 3.45 -5.57	134.80 3.61 -5.25	136.80 3.18 -5.78	132.40 3.85 -5.11	132.30 2.56 -7.38	130.80 3.88 -5.88	130.80 3.58 -6.18
12	0.00 0.00 86.88	130.80 3.20 -5.60	134.40 3.52 -5.38	138.30 3.05 -5.74	133.10 3.57 -5.10	130.40 3.48 -7.18	134.00 3.78 -5.83	130.70 3.43 -8.06

PROPULSIVE WING FLOW FIELD

RARE SUMMARY, RUN 385

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8
2	0.01	137.50	137.10	135.80	138.20	134.50	138.00	138.40
	0.00	4.62	4.13	4.30	4.12	4.35	4.95	4.79
	58.87	-3.76	-3.68	-3.97	-2.98	-3.57	-2.13	-1.08
3	0.01	137.80	136.60	136.80	137.60	135.50	138.00	138.00
	0.00	4.93	4.41	4.55	4.45	5.07	5.95	6.24
	82.06	-3.98	-3.93	-4.39	-3.31	-3.58	-2.41	-1.33
4	0.01	133.80	136.70	136.80	137.40	135.70	138.00	135.80
	0.00	4.88	4.52	4.70	4.81	5.40	6.87	7.52
	82.96	-4.28	-4.26	-4.68	-3.81	-3.87	-3.35	-2.79

PROPULSIVE WING FLOW FIELD

RARE SUMMARY, RUN 386

PT	ALPHA	VI1	VI2	VI3	VI4	VI5	VI6	VI7
BETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8
HEIGHT	BET1	BET2	BET3	BET4	BET5	BET6	BET7	BET8
1	0.01	95.40	98.60	97.95	99.28	98.38	97.64	97.75
	0.00	8.01	4.85	4.58	4.21	3.82	3.81	2.81
	58.95	-1.00	0.00	-0.37	1.48	1.13	4.07	5.54
2	0.01	95.40	97.82	98.70	100.70	98.72	98.28	98.68
	0.00	6.55	5.55	6.11	5.23	5.81	5.77	5.24
	59.57	-1.03	-0.20	-0.16	1.82	1.81	5.74	7.28
3	0.01	98.05	97.40	98.29	101.10	97.83	98.47	102.80
	0.00	7.28	6.73	7.38	7.38	8.43	8.88	8.24
	82.87	-1.45	-0.50	-0.84	1.28	1.47	5.51	8.31
4	0.01	98.38	97.21	97.47	101.50	97.88	103.10	104.80
	0.00	7.88	7.68	8.62	8.73	10.74	13.07	14.88
	85.88	-2.08	-1.32	-1.88	0.23	0.61	3.72	7.52
5	0.03	95.80	98.88	97.48	101.10	100.50	104.20	105.20
	0.00	8.55	8.42	8.58	8.84	12.18	15.13	18.42
	88.95	-2.93	-2.61	-3.13	-1.45	-2.28	-0.28	1.25
6	0.03	95.16	98.78	98.16	100.80	100.90	103.50	104.50
	0.00	8.71	8.85	10.12	8.85	12.18	14.75	18.80
	71.97	-4.18	-3.88	-5.00	-3.66	-8.72	-5.02	-8.18
7	0.03	95.21	97.02	98.37	99.70	100.50	102.50	103.10
	0.00	8.58	8.70	8.83	8.85	11.22	13.82	16.77
	74.88	-5.19	-5.10	-8.45	-5.88	-8.72	-7.69	-8.76
8	0.03	95.39	95.14	98.58	98.23	98.35	101.00	100.50
	0.00	8.52	8.62	9.55	8.35	10.84	12.73	13.83
	78.00	-5.88	-8.24	-7.75	-7.11	-8.31	-8.68	-11.41
9	0.03	94.24	94.77	97.24	97.48	97.84	98.23	97.40
	0.00	8.14	8.23	8.82	8.90	9.29	10.83	10.94
	80.88	-6.50	-8.85	-8.88	-8.33	-9.24	-11.40	-13.48
10	0.02	95.08	94.83	95.45	97.38	98.88	98.68	95.28
	0.00	7.19	7.28	7.87	8.72	7.47	8.45	7.51
	83.97	-8.94	-7.64	-9.36	-8.81	-9.45	-12.05	-13.72
11	0.02	93.82	93.17	93.85	95.83	94.83	95.55	93.74
	0.00	6.48	6.44	6.20	5.88	5.44	6.05	5.01
	85.97	-7.60	-8.14	-9.78	-8.80	-9.38	-11.77	-12.87

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 397

PI	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	0.00 56.93	67.34 -5.88 -0.32	65.15 4.34 1.34	66.77 4.06 1.34	72.40 2.89 2.24	67.66 2.91 2.80	67.58 2.40 5.43	66.16 1.43 7.20
2	0.00 59.98	67.88 -0.24	64.17 5.58 1.52	67.25 5.27 1.60	72.93 4.26 2.66	66.75 5.23 3.76	68.87 4.30 6.89	66.90 3.35 9.67
3	0.00 62.95	68.29 -0.42	64.46 7.03 1.36	67.38 8.76 1.36	73.56 5.89 3.11	67.11 7.37 3.93	69.03 7.59 8.03	70.32 6.85 12.68
4	0.00 65.95	67.32 -0.20 -0.90	65.15 7.82 0.93	67.73 8.43 1.01	73.63 8.36 2.51	68.99 9.94 2.41	73.66 11.52 7.42	73.59 12.35 11.95
5	0.00 68.97	67.82 -0.10 -1.51	64.11 9.81 0.02	68.79 9.61 -0.85	72.80 8.90 0.85	70.18 12.75 0.79	74.84 15.22 4.44	75.61 17.87 8.28
6	0.00 71.99	67.52 -0.66 -2.86	66.58 10.14 -1.57	68.57 10.89 -2.51	73.89 10.96 -1.16	71.85 13.85 -2.23	75.85 18.88 -0.39	78.65 20.78 0.17
7	0.00 74.96	66.83 -0.10 -0.97	66.73 10.40 -3.15	68.69 11.52 -4.70	72.72 10.95 -3.73	71.93 13.33 -4.89	74.90 16.25 -4.98	74.72 19.22 -7.15
8	0.01 77.98	66.11 -5.27 -0.01	66.01 10.15 -5.03	67.83 10.59 -5.53	74.09 12.71 -5.56	71.22 14.71 -6.89	73.53 16.70 -7.87	72.15 16.70 -9.93
9	0.01 80.95	67.37 -6.02	65.89 -6.17	67.90 -7.91	73.22 -7.11	62.63 7.99	71.24 -9.83	70.61 -11.90
10	0.02 83.95	66.74 -7.07	64.40 -7.12	66.11 -9.19	72.29 -8.04	68.58 -9.27	69.20 -11.65	67.36 -14.54
11	0.02 86.97	66.01 -7.12	65.28 -7.94	66.57 -10.50	71.48 -8.87	67.81 -10.10	67.51 -12.86	65.71 -15.48

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 399

PI	ALPHA BETA HEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
3	0.02 58.96	133.60 -0.66	135.00 4.02 -0.51	137.90 4.33 -0.36	135.80 4.17 0.33	135.80 4.17 0.54	135.80 4.17 0.80	132.40 4.82 1.62
4	0.02 60.00	134.30 -0.84	135.10 4.32 -0.56	137.80 4.85 -0.76	138.10 4.85 0.03	138.10 4.85 0.42	135.90 4.85 0.85	133.20 5.70 1.61
5	0.02 62.97	133.40 -1.10	135.50 4.48 -0.45	136.00 4.95 -0.92	138.10 5.08 -0.30	138.30 5.41 0.08	138.00 5.41 0.24	132.90 6.48 0.82
6	0.01 65.86	134.30 -1.36	134.30 4.68 -1.20	135.60 5.04 -1.44	137.70 5.25 -0.80	138.10 5.67 -0.41	136.00 6.78 -0.79	132.70 7.76 -0.82
7	0.01 68.91	133.80 -1.65	134.70 4.86 -1.57	135.10 5.04 -1.75	137.80 5.19 -1.32	138.60 5.47 -0.82	135.70 6.55 -1.60	132.20 7.26 -2.36
8	0.01 71.97	133.30 -1.93	134.80 4.53 -1.78	135.80 4.80 -2.06	137.00 4.98 -1.73	137.10 4.88 -0.83	135.50 6.00 -2.44	132.40 6.22 -3.17
9	0.01 74.95	133.30 -2.09	134.50 4.36 -2.02	135.20 4.56 -2.30	137.20 4.69 -2.12	137.50 4.55 -0.80	135.40 5.35 -2.73	131.60 5.33 -3.41
10	0.00 78.02	132.50 -2.23	134.60 4.08 -2.12	135.90 4.18 -2.64	137.50 4.18 -2.38	138.20 4.18 -0.43	135.30 4.82 -2.84	131.10 4.63 -3.32
11	0.00 80.97	133.20 -2.35	134.40 3.87 -2.27	134.60 3.95 -2.54	136.70 3.81 -2.30	138.70 3.89 0.02	134.80 4.31 -2.87	131.00 4.11 -3.15
12	0.00 83.95	133.30 -2.45	134.30 3.57 -2.34	134.20 3.68 -2.69	136.40 3.56 -2.31	138.70 3.39 0.83	134.70 3.90 -2.85	130.80 3.73 -2.96
13	0.01 87.10	133.30 -2.60	134.30 3.30 -2.45	134.70 3.28 -2.75	136.20 3.26 -2.31	141.70 3.20 2.31	134.50 3.60 -2.83	130.60 3.37 -2.89



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SP	ΔLMB DELTA	W1 DELTA	W2 DELTA	W3 DELTA	W4 DELTA	W5 DELTA	W6 DELTA	W7 DELTA
1	-0.10 0.00 97.03	84.68 10.81 -2.94	83.61 14.47 3.67	88.24 14.84 3.56	74.43 35.49 -3.87	74.88 16.80 -2.78	85.88 14.28 -0.18	89.41 -8.75 -11.29
2	-0.04 0.00 84.04	85.73 11.09 -1.53	83.51 18.30 -0.27	88.20 15.83 0.22	74.03 35.89 -0.02	72.27 18.20 -0.70	81.25 10.84 -3.04	92.28 12.80 -5.88
3	-0.01 0.00 81.93	85.48 10.20 -0.84	82.05 15.51 2.03	84.79 15.15 3.21	74.08 35.37 1.03	71.54 18.10 2.50	78.48 10.81 4.91	83.48 18.72 3.02
4	0.00 0.00 76.07	86.79 0.48 1.22	82.88 14.81 4.84	84.73 14.87 5.05	74.17 32.83 -5.85	68.58 15.88 7.11	70.82 17.60 10.00	73.21 30.37 15.73
5	0.00 0.00 75.60	85.68 0.25 2.47	82.38 12.80 6.79	84.13 11.97 7.73	73.75 31.74 7.07	68.51 12.13 0.60	71.07 12.88 12.82	85.89 14.80 16.85
6	0.00 0.00 72.80	84.13 1.18 3.81	82.20 10.80 7.90	85.84 7.53 7.60	71.24 30.83 6.61	67.23 0.99 0.52	70.32 0.49 12.41	83.72 10.21 10.21
7	0.01 0.00 69.07	85.04 3.94 3.35	81.82 7.70 8.91	84.42 7.60 7.60	70.58 7.21 6.53	65.14 5.87 0.87	68.89 0.18 10.84	81.38 10.37 18.03
8	0.01 0.00 68.00	85.23 4.00 3.70	80.17 6.62 5.89	83.78 5.99 5.99	68.50 5.81 6.60	64.48 4.28 7.88	68.07 2.90 9.13	80.26 3.11 14.91
9	0.01 0.00 63.07	85.08 4.18 2.07	81.70 5.30 8.30	82.78 5.88 8.88	70.54 5.11 5.87	65.21 2.20 5.88	68.84 2.80 7.58	80.18 1.83 10.80
10	0.01 0.00 60.04	86.17 3.80 1.84	82.38 4.48 5.70	82.87 4.50 5.07	68.88 4.80 5.39	64.51 2.50 5.84	68.78 2.18 6.82	80.70 1.38 8.10
11	0.01 0.00 57.07	85.00 3.70 1.31	80.70 3.48 5.47	81.84 2.78 4.80	68.00 3.00 4.00	65.10 2.77 4.73	68.72 1.84 3.73	87.80 0.91 5.71

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P1	ΔPMO m (cm)	V11 ΔP1 m/s	V12 ΔP2 m/s	V13 ΔP3 m/s	V14 ΔP4 m/s	V15 ΔP5 m/s	V16 ΔP6 m/s	V17 ΔP7 m/s
1	0.02 0.00 5.0-0.5	93.31 2.30 2.00	91.00 3.19 3.10	93.30 3.36 3.87	97.86 3.55 3.87	94.00 2.79 4.79	94.90 2.84 4.00	89.00 2.10 5.07
2	0.02 0.00 5.0-0.6	93.34 0.58 2.47	91.07 4.91 3.83	94.02 4.10 4.57	96.37 4.26 4.57	94.34 2.73 5.04	95.30 3.60 4.02	89.30 2.01 7.00
3	0.02 0.00 5.0-0.7	94.37 2.49 2.00	92.21 3.70 3.84	93.95 6.03 6.00	97.85 5.48 5.15	94.01 4.79 5.08	95.00 4.52 7.12	89.37 3.87 8.35
4	0.02 0.00 5.0-0.5	95.21 6.16 2.31	93.60 6.72 3.74	94.37 7.19 6.33	96.22 6.87 5.42	94.00 6.87 8.53	96.41 5.54 6.68	93.00 5.97 12.00
5	0.00 0.00 5.0-0.5	94.37 7.10 1.85	92.71 7.70 3.50	95.30 6.33 6.33	96.12 6.52 5.39	94.01 6.13 5.39	96.04 10.00 8.00	95.33 0.50 14.15
6	0.00 0.00 7.0-0.3	95.01 7.73 1.03	92.04 7.50 3.50	94.41 10.33 3.20	95.70 10.05 4.74	95.02 12.13 6.03	101.00 13.01 9.10	90.80 15.00 13.97
7	0.00 0.00 7.5-0.3	93.70 0.83 -0.01	92.50 10.83 1.39	95.07 11.72 3.31	101.00 13.03 3.07	99.00 15.10 3.25	100.70 17.50 4.03	112.50 17.10 5.31
8	-0.01 0.00 7.0-0.1	94.02 0.76 -1.51	92.30 11.33 -0.59	97.37 12.37 -0.77	102.30 13.40 -0.60	101.00 15.00 -0.33	112.00 16.00 -2.30	130.00 18.00 -8.00
9	-0.01 0.00 9.1-0.1	94.32 0.53 -3.75	92.03 11.13 -3.37	97.01 12.07 -3.07	101.70 12.00 3.10	102.00 13.01 3.00	114.00 14.70 -7.01	130.30 16.30 -6.89
10	0.02 0.00 9.5-0.3	94.00 0.11 -3.01	93.30 10.00 -3.00	95.01 13.00 3.10	101.30 14.00 5.05	99.01 16.00 5.04	100.00 17.01 -10.01	117.00 0.17 13.40
11	0.02 0.00 9.7-0.3	94.37 7.58 -4.75	93.13 9.01 -0.01	95.03 10.00 -0.01	97.03 0.16 -0.10	100.00 6.30 -0.10	100.30 9.10 -0.10	100.30 6.10 -0.10

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PROPOSITIVE MIMO FLOW FIELD

BASE SURFACE, 800 000

PT	ALPHA	W11	W12	W13	W14	W15	W16	W17
	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
2	-0.01	0.12	0.10	0.10	0.11	0.10	0.11	0.10
	0.00	0.30	0.08	0.10	0.08	0.10	0.08	0.10
	57.02	0.33	-1.42	0.10	-0.55	-0.15	-1.21	-0.34

PROPOSITIVE MIMO FLOW FIELD

BASE SURFACE, 800 000

PT	ALPHA	W11	W12	W13	W14	W15	W16	W17
	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
2	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
3	0.00	100.10	100.00	100.10	100.10	100.10	100.10	100.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
4	0.00	100.30	100.00	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
5	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
6	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
7	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
8	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
9	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
10	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
11	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10
12	0.00	100.30	100.30	100.30	100.30	100.30	100.30	100.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	57.02	0.33	0.10	0.10	0.10	0.10	0.10	0.10

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2025 RELEASE UNDER E.O. 14176

PT	Altitude meters	W11 Alt 11 Dist 11	W12 Alt 12 Dist 12	W13 Alt 13 Dist 13	W14 Alt 14 Dist 14	W15 Alt 15 Dist 15	W16 Alt 16 Dist 16	W17 Alt 17 Dist 17
2	0 02 0 00 97 60	90 00 5 73 5 01	102 30 5 24 2 30	94 00 5 30 0 00	90 00 -4 13 2 07	95 24 -5 51 2 02	89 03 -3 43 3 00	117 00 -1 17 2 71
3	0 02 0 00 90 30	90 31 5 00 5 08	100 00 2 40 2 07	104 30 2 80 0 00	103 30 -2 04 0 27	102 30 -2 36 5 00	97 00 -4 70 2 00	112 00 -2 12 3 00
4	0 01 0 00 92 00	92 30 5 03 5 03	122 00 8 07 2 30	141 00 2 43 0 00	120 00 -1 00 3 55	119 10 -4 30 4 07	105 21 -5 01 2 48	115 00 -2 03 3 44
5	0 01 0 00 88 01	92 31 5 24 2 01	172 00 4 50 -1 51	150 30 2 51 -2 00	155 30 -0 00 0 00	151 30 -1 37 0 00	147 00 -2 10 1 30	103 30 -3 00 2 04
6	0 01 0 00 90 00	91 30 5 10 0 00	100 00 2 03 -1 17	112 30 2 07 -0 01	102 00 -1 73 -2 07	110 30 -1 09 -1 00	104 30 -3 00 -1 37	110 30 -2 50 0 00
7	0 01 0 00 72 03	91 07 7 35 0 00	102 30 3 10 -1 17	90 32 2 10 -0 00	86 70 -1 00 -0 53	110 30 -0 70 -1 00	104 00 -3 30 -1 00	102 00 -3 21 1 23
8	0 01 0 00 75 02	90 04 6 73 1 00	102 30 3 30 -1 30	90 03 1 40 -0 72	84 07 -2 31 -3 34	80 30 1 07 0 73	92 12 -0 37 -0 00	113 00 -0 54 1 00
9	0 01 0 00 70 00	90 04 6 10 1 40	102 30 0 04 -1 00	92 43 1 20 -0 72	93 07 -2 40 -2 30	90 00 -2 43 -2 30	91 47 -2 70 -0 70	112 00 -0 00 1 07
0	0 00 0 00 81 03	90 00 6 01 1 07	103 30 0 01 -0 02	97 00 1 30 -0 01	90 47 -2 30 -0 01	88 03 -2 31 1 73	91 07 -0 41 -0 10	113 00 -1 71 1 42
1	0 00 0 00 84 01	90 71 5 00 1 00	102 30 0 71 -0 70	93 00 1 00 -0 00	92 00 -2 30 -2 00	90 30 -2 04 1 00	91 24 -0 00 -0 01	113 00 -1 00 1 30
2	0 00 0 00 87 02	90 01 5 00 1 00	102 30 0 00 -0 00	93 00 1 07 -0 37	94 30 -2 30 -2 10	90 00 -2 00 2 00	91 22 -0 00 -0 00	113 00 -1 00 1 00

01016 0017 0018 0019 0020

THE UNIVERSITY OF CHICAGO PRESS

[illegible]

PROPELLSIVE MISS FROM FIELD

PT	BASE SUBMARTY. RUN 410									
	ALPMD DELTA DELTA	VT1 ALP1 DELTA	VT2 ALP2 DELTA	VT3 ALP3 DELTA	VT4 ALP4 DELTA	VT5 ALP5 DELTA	VT6 ALP6 DELTA	VT7 ALP7 DELTA	VT8 ALP8 DELTA	VT9 ALP9 DELTA
1	-0.01 0.00 0.00	131.70 3.44 3.70	137.00 3.23 1.02	138.10 3.33 0.93	134.30 3.06 1.75	130.30 4.48 4.19	124.40 3.92 2.16	130.80 3.95 2.05	124.70 3.73 2.43	124.30 3.70 4.11
2	-0.01 0.00 0.00	132.10 3.64 3.07	134.00 3.44 1.01	135.00 3.44 0.83	134.00 3.06 1.83	137.00 4.67 3.80	134.00 4.90 1.95	130.40 4.45 2.50	124.70 4.37 2.87	124.30 4.37 2.87
3	-0.01 0.00 0.00	132.20 3.62 1.91	137.00 3.81 0.82	138.00 3.81 0.66	134.30 3.34 1.42	137.30 4.63 3.46	134.10 4.21 1.83	130.80 4.21 1.87	124.70 4.21 1.87	124.30 4.21 1.87
4	-0.01 0.00 0.00	131.00 3.09 1.84	137.00 3.09 0.84	138.00 3.09 0.61	134.30 3.10 1.37	137.10 4.32 3.30	134.00 4.18 1.30	130.80 4.18 1.43	124.70 4.18 1.43	124.30 4.18 1.43
5	-0.01 0.00 0.00	131.00 3.04 1.81	137.00 3.04 0.77	138.00 3.04 0.54	134.30 3.13 1.10	137.10 4.08 3.22	134.10 3.97 1.13	130.80 3.97 1.13	124.70 3.97 1.13	124.30 3.97 1.13
6	-0.02 0.00 0.00	131.00 3.00 1.76	137.00 3.00 0.73	138.00 3.00 0.50	134.30 3.03 1.05	137.10 4.05 3.21	134.10 3.94 1.05	130.80 3.94 1.05	124.70 3.94 1.05	124.30 3.94 1.05
7	-0.02 0.00 0.00	131.00 3.00 1.74	137.00 3.00 0.73	138.00 3.00 0.50	134.30 3.03 1.05	137.10 4.05 3.21	134.10 3.94 1.05	130.80 3.94 1.05	124.70 3.94 1.05	124.30 3.94 1.05
8	-0.02 0.00 0.00	132.00 3.73 1.08	137.00 3.73 0.73	138.00 3.73 0.51	134.10 3.20 1.13	137.10 4.37 3.47	134.10 4.04 1.43	130.80 4.04 1.43	124.70 4.04 1.43	124.30 4.04 1.43
9	-0.03 0.00 0.00	131.00 3.00 1.68	137.00 3.00 0.73	138.00 3.00 0.51	134.30 3.03 1.05	137.10 4.05 3.21	134.10 3.94 1.05	130.80 3.94 1.05	124.70 3.94 1.05	124.30 3.94 1.05
10	-0.03 0.00 0.00	131.00 3.73 1.08	137.00 3.73 0.73	138.00 3.73 0.51	134.10 3.20 1.13	137.10 4.37 3.47	134.10 4.04 1.43	130.80 4.04 1.43	124.70 4.04 1.43	124.30 4.04 1.43
11	-0.03 0.00 0.00	132.00 3.73 1.50	137.00 3.73 0.73	138.00 3.73 0.51	134.10 3.20 1.13	137.10 4.37 3.47	134.10 4.04 1.43	130.80 4.04 1.43	124.70 4.04 1.43	124.30 4.04 1.43

PROPELLSIVE MISS FROM FIELD

PT	BASE SUBMARTY. RUN 410									
	ALPMD DELTA DELTA	VT1 ALP1 DELTA	VT2 ALP2 DELTA	VT3 ALP3 DELTA	VT4 ALP4 DELTA	VT5 ALP5 DELTA	VT6 ALP6 DELTA	VT7 ALP7 DELTA	VT8 ALP8 DELTA	VT9 ALP9 DELTA
1	-0.01 0.00 0.00	131.70 3.44 3.70	137.00 3.23 1.02	138.10 3.33 0.93	134.30 3.06 1.75	130.30 4.48 4.19	124.40 3.92 2.16	130.80 3.95 2.05	124.70 3.73 2.43	124.30 3.70 4.11
2	-0.01 0.00 0.00	132.10 3.64 3.07	134.00 3.44 1.01	135.00 3.44 0.83	134.00 3.06 1.83	137.00 4.67 3.80	134.00 4.90 1.95	130.40 4.45 2.50	124.70 4.37 2.87	124.30 4.37 2.87
3	-0.01 0.00 0.00	132.20 3.62 1.91	137.00 3.81 0.82	138.00 3.81 0.66	134.30 3.34 1.42	137.30 4.63 3.46	134.10 4.21 1.83	130.80 4.21 1.87	124.70 4.21 1.87	124.30 4.21 1.87
4	-0.01 0.00 0.00	131.00 3.09 1.84	137.00 3.09 0.84	138.00 3.09 0.61	134.30 3.10 1.37	137.10 4.32 3.30	134.00 4.18 1.30	130.80 4.18 1.43	124.70 4.18 1.43	124.30 4.18 1.43
5	-0.01 0.00 0.00	131.00 3.04 1.81	137.00 3.04 0.77	138.00 3.04 0.54	134.30 3.13 1.10	137.10 4.08 3.22	134.10 3.97 1.13	130.80 3.97 1.13	124.70 3.97 1.13	124.30 3.97 1.13
6	-0.02 0.00 0.00	131.00 3.00 1.76	137.00 3.00 0.73	138.00 3.00 0.50	134.30 3.03 1.05	137.10 4.05 3.21	134.10 3.94 1.05	130.80 3.94 1.05	124.70 3.94 1.05	124.30 3.94 1.05
7	-0.02 0.00 0.00	131.00 3.00 1.74	137.00 3.00 0.73	138.00 3.00 0.50	134.30 3.03 1.05	137.10 4.05 3.21	134.10 3.94 1.05	130.80 3.94 1.05	124.70 3.94 1.05	124.30 3.94 1.05
8	-0.02 0.00 0.00	132.00 3.73 1.08	137.00 3.73 0.73	138.00 3.73 0.51	134.10 3.20 1.13	137.10 4.37 3.47	134.10 4.04 1.43	130.80 4.04 1.43	124.70 4.04 1.43	124.30 4.04 1.43
9	-0.03 0.00 0.00	131.00 3.00 1.68	137.00 3.00 0.73	138.00 3.00 0.51	134.30 3.03 1.05	137.10 4.05 3.21	134.10 3.94 1.05	130.80 3.94 1.05	124.70 3.94 1.05	124.30 3.94 1.05
10	-0.03 0.00 0.00	131.00 3.73 1.08	137.00 3.73 0.73	138.00 3.73 0.51	134.10 3.20 1.13	137.10 4.37 3.47	134.10 4.04 1.43	130.80 4.04 1.43	124.70 4.04 1.43	124.30 4.04 1.43
11	-0.03 0.00 0.00	132.00 3.73 1.50	137.00 3.73 0.73	138.00 3.73 0.51	134.10 3.20 1.13	137.10 4.37 3.47	134.10 4.04 1.43	130.80 4.04 1.43	124.70 4.04 1.43	124.30 4.04 1.43

PROGRESSIVE MING FLOW FIELD

RANK SUMMARY, RUN 410

PT	ALPHA DETA HEIGHT	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17
1	-0.01 0.00 0.00	04.50 4.42 3.55	04.07 2.44 2.00	04.10 2.44 1.03	04.33 1.71 2.00	72.07 7.03 0.30	05.00 3.50 4.00	07.74 3.00 4.07
2	-0.01 0.00 0.00	05.22 4.58 3.70	05.44 1.08 1.00	05.44 2.03 1.07	07.01 2.00 2.00	75.70 7.43 0.51	05.00 4.14 4.14	07.03 4.11 0.02
3	-0.02 0.00 0.00	05.22 4.00 3.00	05.45 2.34 1.50	07.10 2.34 0.97	04.28 2.00 2.71	75.07 8.31 0.30	04.50 4.04 3.07	08.10 5.70 4.36
4	-0.02 0.00 0.00	04.83 5.12 3.00	04.49 2.21 1.50	07.30 3.22 1.33	07.32 2.70 2.70	75.43 8.00 0.01	04.00 4.01 2.50	07.70 8.01 3.74
5	-0.02 0.00 0.01	04.05 5.26 2.82	05.50 2.28 1.24	07.40 3.40 0.84	07.23 2.02 1.71	72.72 7.72 7.75	04.04 4.00 1.50	07.04 5.27 1.40
6	-0.02 0.00 0.00	04.00 5.30 2.25	07.44 2.43 0.02	07.02 2.26 0.00	07.05 2.56 1.34	72.43 7.32 7.30	04.00 4.10 1.05	07.00 4.52 1.10
7	-0.03 0.00 0.00	05.23 4.01 1.05	05.10 2.20 0.00	07.04 2.00 -0.03	07.14 2.00 0.00	71.70 0.10 0.00	04.72 3.50 1.00	07.10 3.00 1.10
8	-0.03 0.00 0.00	05.04 4.30 2.10	05.14 2.11 0.47	05.70 3.00 0.54	04.70 2.00 1.33	72.75 8.27 7.30	04.07 3.30 0.05	08.40 3.72 1.10
9	-0.03 0.00 0.00	03.00 4.00 2.32	04.04 1.05 0.77	05.32 2.54 -0.03	04.00 2.02 0.01	72.75 8.70 0.05	07.40 3.07 0.74	08.00 3.43 1.17
10	-0.04 0.00 0.00	05.53 4.37 1.04	04.30 2.02 0.42	06.10 2.04 0.30	04.97 2.07 1.02	75.50 7.30 0.00	04.52 3.03 1.03	08.00 3.75 1.34
11	-0.04 0.00 0.01	03.07 2.01 1.00	04.04 1.70 0.01	05.12 2.00 0.34	05.00 2.03 1.17	70.04 8.11 10.43	04.00 2.01 1.02	05.01 3.10 1.21

PROGRESSIVE MING FLOW FIELD

RANK SUMMARY, RUN 410

PT	ALPHA DETA HEIGHT	V11 ALP1 DE11	V12 ALP2 DE12	V13 ALP3 DE13	V14 ALP4 DE14	V15 ALP5 DE15	V16 ALP6 DE16	V17 ALP7 DE17
2	-0.01 0.00 0.00	05.00 2.41 -0.04	05.37 2.53 -0.03	04.70 3.07 -0.00	07.00 3.01 -0.12	07.00 3.07 1.00	07.00 3.00 -0.63	06.70 3.10 -1.14
3	-0.02 0.00 0.00	03.24 3.00 -0.03	05.02 3.73 -1.00	05.40 3.04 -0.07	07.00 3.25 -0.10	07.00 3.17 -0.10	07.00 3.49 -0.71	01.42 3.02 -0.72
4	-0.00 0.00 0.00	132.00 3.57 -0.00	137.00 3.24 -1.17	120.10 3.00 -1.70	120.00 3.44 -0.00	142.00 4.11 -0.04	125.00 4.01 -0.04	132.00 4.00 -0.00

PROPELLSIVE MING FLOW FIELD

DATE SUMMARY. RUN 490

P1	ALPHA	W11	W12	W13	W14	W15	W16	W17
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	ME1001	ME11	ME12	ME13	ME14	ME15	ME16	ME17
1	0.04	134.30	137.00	137.10	136.00	137.00	136.30	133.50
	0.00	3.44	3.00	3.00	3.40	3.00	3.40	3.40
	57.00	-0.35	-0.75	-0.05	-0.30	1.40	-0.03	0.57
2	0.04	134.00	137.10	137.70	136.20	136.00	136.20	133.00
	0.00	3.20	3.10	3.01	3.01	4.03	0.52	4.07
	60.00	-0.33	-0.75	-0.04	-0.41	1.00	-0.10	0.30
3	0.04	133.00	136.20	136.00	136.10	136.20	133.20	133.20
	0.00	3.27	3.21	3.70	3.00	4.30	0.00	5.33
	63.00	-0.40	-0.64	-0.05	-0.04	1.03	-0.00	-0.04
4	0.04	132.70	136.00	137.70	136.20	136.00	136.20	133.00
	0.00	3.23	3.20	4.00	3.04	4.31	4.00	1.00
	60.00	-0.60	-0.00	-1.03	-0.04	1.11	-1.07	-1.31
5	0.04	132.00	137.00	136.00	136.70	136.00	136.20	133.10
	0.00	3.10	3.21	3.03	3.70	4.10	4.20	4.30
	60.00	-0.70	-1.07	-1.11	-0.00	0.00	-1.34	-1.37
6	0.04	133.00	136.00	136.00	136.00	136.00	136.20	133.20
	0.00	3.12	3.10	3.00	3.00	4.17	3.00	3.00
	72.01	-0.77	-1.00	-1.03	-0.05	0.00	-1.70	-1.70
7	0.04	132.00	136.00	137.00	136.20	136.70	136.00	131.00
	0.00	3.00	3.11	3.00	3.37	4.00	3.70	3.07
	75.00	-0.70	-1.00	-1.00	-0.00	0.00	-1.17	-1.17
8	0.04	132.00	136.70	137.00	136.30	136.00	136.10	131.00
	0.00	3.03	3.00	3.27	3.00	4.03	3.70	3.70
	70.01	-0.77	-1.00	-0.00	-0.00	1.00	-1.11	-1.10
9	0.04	132.00	136.00	136.00	136.00	136.00	136.10	131.20
	0.00	3.00	3.00	3.43	3.01	4.10	3.70	3.01
	81.00	-0.07	-1.10	-0.02	-0.00	0.00	-1.04	-1.03
10	0.04	133.00	137.20	137.70	136.20	136.00	136.10	131.00
	0.00	2.84	2.90	3.21	3.32	4.10	3.70	3.00
	84.00	-0.04	-1.03	-0.00	-0.00	1.01	-1.00	-1.01
11	0.04	133.20	136.00	137.00	136.00	136.00	136.00	130.50
	0.00	2.84	2.97	3.21	3.41	4.20	3.70	3.04
	87.07	-0.00	-1.03	-0.00	-0.01	1.70	-0.04	-1.01

PROPELLSIVE MING FLOW FIELD

DATE SUMMARY. RUN 491

P1	ALPHA	W11	W12	W13	W14	W15	W16	W17
	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	ME1001	ME11	ME12	ME13	ME14	ME15	ME16	ME17
1	0.04	134.00	137.00	137.00	136.30	136.00	136.30	133.00
	0.00	3.44	3.23	3.73	4.01	3.00	4.00	4.00
	57.07	-0.10	-0.10	-0.01	-0.03	2.50	1.02	2.50
2	0.04	134.00	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.00	3.00	4.31	4.77	4.50	3.27	6.37
	60.01	-0.09	-0.00	-0.73	-0.07	2.13	1.54	2.02
3	0.04	133.42	136.00	136.00	136.00	136.00	136.00	133.00
	0.00	3.20	3.03	4.00	3.10	5.11	6.24	8.22
	63.00	-0.10	-0.10	-0.05	-0.00	1.00	0.00	0.07
4	0.04	133.70	137.00	137.00	136.10	136.00	136.00	133.00
	0.00	3.30	4.00	4.50	5.10	5.10	6.24	8.22
	60.01	-0.30	-0.30	-0.10	-0.00	2.00	-0.04	-1.02
5	0.04	133.21	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.07	3.00	4.27	4.50	5.10	6.24	8.22
	60.01	-0.07	-0.00	-0.10	-0.00	2.70	-1.10	-2.70
6	0.04	133.20	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.00	3.00	4.00	4.00	5.10	6.24	8.22
	72.01	-0.07	-0.00	-0.00	-0.00	2.50	-1.30	-2.31
7	0.04	133.10	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.00	3.00	4.00	4.00	5.10	6.24	8.22
	75.00	-1.04	-1.00	-0.00	-0.00	2.70	-1.30	-2.11
8	0.04	133.00	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.00	3.00	4.00	4.00	5.10	6.24	8.22
	70.01	-1.00	-1.00	-0.10	-0.10	2.50	-1.30	-1.04
9	0.04	133.00	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.00	3.00	4.00	4.00	5.10	6.24	8.22
	81.00	-1.00	-1.00	-0.10	-0.10	2.50	-1.30	-1.04
10	0.04	133.00	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.00	3.00	4.00	4.00	5.10	6.24	8.22
	81.00	-1.00	-1.00	-0.10	-0.10	2.50	-1.30	-1.04
11	0.04	133.00	137.00	137.00	136.00	136.00	136.00	133.00
	0.00	3.00	3.00	4.00	4.00	5.10	6.24	8.22
	87.00	-1.00	-1.00	-0.10	-0.10	2.50	-1.30	-1.04

PROPELLSIVE MING FLOW FILE

BASE SUMMARY, SUB 432

PI	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16	ALP17	ALP18	ALP19	ALP20	ALP21	ALP22	ALP23	ALP24	ALP25	ALP26	ALP27	ALP28	ALP29	ALP30	ALP31	ALP32	ALP33	ALP34	ALP35	ALP36	ALP37	ALP38	ALP39	ALP40	ALP41	ALP42	ALP43	ALP44	ALP45	ALP46	ALP47	ALP48	ALP49	ALP50	ALP51	ALP52	ALP53	ALP54	ALP55	ALP56	ALP57	ALP58	ALP59	ALP60	ALP61	ALP62	ALP63	ALP64	ALP65	ALP66	ALP67	ALP68	ALP69	ALP70	ALP71	ALP72	ALP73	ALP74	ALP75	ALP76	ALP77	ALP78	ALP79	ALP80	ALP81	ALP82	ALP83	ALP84	ALP85	ALP86	ALP87	ALP88	ALP89	ALP90	ALP91	ALP92	ALP93	ALP94	ALP95	ALP96	ALP97	ALP98	ALP99	ALP100	ALP101	ALP102	ALP103	ALP104	ALP105	ALP106	ALP107	ALP108	ALP109	ALP110	ALP111	ALP112	ALP113	ALP114	ALP115	ALP116	ALP117	ALP118	ALP119	ALP120	ALP121	ALP122	ALP123	ALP124	ALP125	ALP126	ALP127	ALP128	ALP129	ALP130	ALP131	ALP132	ALP133	ALP134	ALP135	ALP136	ALP137	ALP138	ALP139	ALP140	ALP141	ALP142	ALP143	ALP144	ALP145	ALP146	ALP147	ALP148	ALP149	ALP150	ALP151	ALP152	ALP153	ALP154	ALP155	ALP156	ALP157	ALP158	ALP159	ALP160	ALP161	ALP162	ALP163	ALP164	ALP165	ALP166	ALP167	ALP168	ALP169	ALP170	ALP171	ALP172	ALP173	ALP174	ALP175	ALP176	ALP177	ALP178	ALP179	ALP180	ALP181	ALP182	ALP183	ALP184	ALP185	ALP186	ALP187	ALP188	ALP189	ALP190	ALP191	ALP192	ALP193	ALP194	ALP195	ALP196	ALP197	ALP198	ALP199	ALP200	ALP201	ALP202	ALP203	ALP204	ALP205	ALP206	ALP207	ALP208	ALP209	ALP210	ALP211	ALP212	ALP213	ALP214	ALP215	ALP216	ALP217	ALP218	ALP219	ALP220	ALP221	ALP222	ALP223	ALP224	ALP225	ALP226	ALP227	ALP228	ALP229	ALP230	ALP231	ALP232	ALP233	ALP234	ALP235	ALP236	ALP237	ALP238	ALP239	ALP240	ALP241	ALP242	ALP243	ALP244	ALP245	ALP246	ALP247	ALP248	ALP249	ALP250	ALP251	ALP252	ALP253	ALP254	ALP255	ALP256	ALP257	ALP258	ALP259	ALP260	ALP261	ALP262	ALP263	ALP264	ALP265	ALP266	ALP267	ALP268	ALP269	ALP270	ALP271	ALP272	ALP273	ALP274	ALP275	ALP276	ALP277	ALP278	ALP279	ALP280	ALP281	ALP282	ALP283	ALP284	ALP285	ALP286	ALP287	ALP288	ALP289	ALP290	ALP291	ALP292	ALP293	ALP294	ALP295	ALP296	ALP297	ALP298	ALP299	ALP300	ALP301	ALP302	ALP303	ALP304	ALP305	ALP306	ALP307	ALP308	ALP309	ALP310	ALP311	ALP312	ALP313	ALP314	ALP315	ALP316	ALP317	ALP318	ALP319	ALP320	ALP321	ALP322	ALP323	ALP324	ALP325	ALP326	ALP327	ALP328	ALP329	ALP330	ALP331	ALP332	ALP333	ALP334	ALP335	ALP336	ALP337	ALP338	ALP339	ALP340	ALP341	ALP342	ALP343	ALP344	ALP345	ALP346	ALP347	ALP348	ALP349	ALP350	ALP351	ALP352	ALP353	ALP354	ALP355	ALP356	ALP357	ALP358	ALP359	ALP360	ALP361	ALP362	ALP363	ALP364	ALP365	ALP366	ALP367	ALP368	ALP369	ALP370	ALP371	ALP372	ALP373	ALP374	ALP375	ALP376	ALP377	ALP378	ALP379	ALP380	ALP381	ALP382	ALP383	ALP384	ALP385	ALP386	ALP387	ALP388	ALP389	ALP390	ALP391	ALP392	ALP393	ALP394	ALP395	ALP396	ALP397	ALP398	ALP399	ALP400	ALP401	ALP402	ALP403	ALP404	ALP405	ALP406	ALP407	ALP408	ALP409	ALP410	ALP411	ALP412	ALP413	ALP414	ALP415	ALP416	ALP417	ALP418	ALP419	ALP420	ALP421	ALP422	ALP423	ALP424	ALP425	ALP426	ALP427	ALP428	ALP429	ALP430	ALP431	ALP432	ALP433	ALP434	ALP435	ALP436	ALP437	ALP438	ALP439	ALP440	ALP441	ALP442	ALP443	ALP444	ALP445	ALP446	ALP447	ALP448	ALP449	ALP450	ALP451	ALP452	ALP453	ALP454	ALP455	ALP456	ALP457	ALP458	ALP459	ALP460	ALP461	ALP462	ALP463	ALP464	ALP465	ALP466	ALP467	ALP468	ALP469	ALP470	ALP471	ALP472	ALP473	ALP474	ALP475	ALP476	ALP477	ALP478	ALP479	ALP480	ALP481	ALP482	ALP483	ALP484	ALP485	ALP486	ALP487	ALP488	ALP489	ALP490	ALP491	ALP492	ALP493	ALP494	ALP495	ALP496	ALP497	ALP498	ALP499	ALP500	ALP501	ALP502	ALP503	ALP504	ALP505	ALP506	ALP507	ALP508	ALP509	ALP510	ALP511	ALP512	ALP513	ALP514	ALP515	ALP516	ALP517	ALP518	ALP519	ALP520	ALP521	ALP522	ALP523	ALP524	ALP525	ALP526	ALP527	ALP528	ALP529	ALP530	ALP531	ALP532	ALP533	ALP534	ALP535	ALP536	ALP537	ALP538	ALP539	ALP540	ALP541	ALP542	ALP543	ALP544	ALP545	ALP546	ALP547	ALP548	ALP549	ALP550	ALP551	ALP552	ALP553	ALP554	ALP555	ALP556	ALP557	ALP558	ALP559	ALP560	ALP561	ALP562	ALP563	ALP564	ALP565	ALP566	ALP567	ALP568	ALP569	ALP570	ALP571	ALP572	ALP573	ALP574	ALP575	ALP576	ALP577	ALP578	ALP579	ALP580	ALP581	ALP582	ALP583	ALP584	ALP585	ALP586	ALP587	ALP588	ALP589	ALP590	ALP591	ALP592	ALP593	ALP594	ALP595	ALP596	ALP597	ALP598	ALP599	ALP600	ALP601	ALP602	ALP603	ALP604	ALP605	ALP606	ALP607	ALP608	ALP609	ALP610	ALP611	ALP612	ALP613	ALP614	ALP615	ALP616	ALP617	ALP618	ALP619	ALP620	ALP621	ALP622	ALP623	ALP624	ALP625	ALP626	ALP627	ALP628	ALP629	ALP630	ALP631	ALP632	ALP633	ALP634	ALP635	ALP636	ALP637	ALP638	ALP639	ALP640	ALP641	ALP642	ALP643	ALP644	ALP645	ALP646	ALP647	ALP648	ALP649	ALP650	ALP651	ALP652	ALP653	ALP654	ALP655	ALP656	ALP657	ALP658	ALP659	ALP660	ALP661	ALP662	ALP663	ALP664	ALP665	ALP666	ALP667	ALP668	ALP669	ALP670	ALP671	ALP672	ALP673	ALP674	ALP675	ALP676	ALP677	ALP678	ALP679	ALP680	ALP681	ALP682	ALP683	ALP684	ALP685	ALP686	ALP687	ALP688	ALP689	ALP690	ALP691	ALP692	ALP693	ALP694	ALP695	ALP696	ALP697	ALP698	ALP699	ALP700	ALP701	ALP702	ALP703	ALP704	ALP705	ALP706	ALP707	ALP708	ALP709	ALP710	ALP711	ALP712	ALP713	ALP714	ALP715	ALP716	ALP717	ALP718	ALP719	ALP720	ALP721	ALP722	ALP723	ALP724	ALP725	ALP726	ALP727	ALP728	ALP729	ALP730	ALP731	ALP732	ALP733	ALP734	ALP735	ALP736	ALP737	ALP738	ALP739	ALP740	ALP741	ALP742	ALP743	ALP744	ALP745	ALP746	ALP747	ALP748	ALP749	ALP750	ALP751	ALP752	ALP753	ALP754	ALP755	ALP756	ALP757	ALP758	ALP759	ALP760	ALP761	ALP762	ALP763	ALP764	ALP765	ALP766	ALP767	ALP768	ALP769	ALP770	ALP771	ALP772	ALP773	ALP774	ALP775	ALP776	ALP777	ALP778	ALP779	ALP780	ALP781	ALP782	ALP783	ALP784	ALP785	ALP786	ALP787	ALP788	ALP789	ALP790	ALP791	ALP792	ALP793	ALP794	ALP795	ALP796	ALP797	ALP798	ALP799	ALP800	ALP801	ALP802	ALP803	ALP804	ALP805	ALP806	ALP807	ALP808	ALP809	ALP810	ALP811	ALP812	ALP813	ALP814	ALP815	ALP816	ALP817	ALP818	ALP819	ALP820	ALP821	ALP822	ALP823	ALP824	ALP825	ALP826	ALP827	ALP828	ALP829	ALP830	ALP831	ALP832	ALP833	ALP834	ALP835	ALP836	ALP837	ALP838	ALP839	ALP840	ALP841	ALP842	ALP843	ALP844	ALP845	ALP846	ALP847	ALP848	ALP849	ALP850	ALP851	ALP852	ALP853	ALP854	ALP855	ALP856	ALP857	ALP858	ALP859	ALP860	ALP861	ALP862	ALP863	ALP864	ALP865	ALP866	ALP867	ALP868	ALP869	ALP870	ALP871	ALP872	ALP873	ALP874	ALP875	ALP876	ALP877	ALP878	ALP879	ALP880	ALP881	ALP882	ALP883	ALP884	ALP885	ALP886	ALP887	ALP888	ALP889	ALP890	ALP891	ALP892	ALP893	ALP894	ALP895	ALP896	ALP897	ALP898	ALP899	ALP900	ALP901	ALP902	ALP903	ALP904	ALP905	ALP906	ALP907	ALP908	ALP909	ALP910	ALP911	ALP912	ALP913	ALP914	ALP915	ALP916	ALP917	ALP918	ALP919	ALP920	ALP921	ALP922	ALP923	ALP924	ALP925	ALP926	ALP927	ALP928	ALP929	ALP930	ALP931	ALP932	ALP933	ALP934	ALP935	ALP936	ALP937	ALP938	ALP939	ALP940	ALP941	ALP942	ALP943	ALP944	ALP945	ALP946	ALP947	ALP948	ALP949	ALP950	ALP951	ALP952	ALP953	ALP954	ALP955	ALP956	ALP957	ALP958	ALP959	ALP960	ALP961	ALP962	ALP963	ALP964	ALP965	ALP966	ALP967	ALP968	ALP969	ALP970	ALP971	ALP972	ALP973	ALP974	ALP975	ALP976	ALP977	ALP978	ALP979	ALP980	ALP981	ALP982	ALP983	ALP984	ALP985	ALP986	ALP987	ALP988	ALP989	ALP990	ALP991	ALP992	ALP993	ALP994	ALP995	ALP996	ALP997	ALP998	ALP999	ALP1000	ALP1001	ALP1002	ALP1003	ALP1004	ALP1005	ALP1006	ALP1007	ALP1008	ALP1009	ALP1010	ALP1011	ALP1012	ALP1013	ALP1014	ALP1015	ALP1016	ALP1017	ALP1018	ALP1019	ALP1020	ALP1021	ALP1022	ALP1023	ALP1024	ALP1025	ALP1026	ALP1027	ALP1028	ALP1029	ALP1030	ALP1031	ALP1032	ALP1033	ALP1034	ALP1035	ALP1036	ALP1037	ALP1038	ALP1039	ALP1040	ALP1041	ALP1042	ALP1043	ALP1044	ALP1045	ALP1046	ALP1047	ALP1048	ALP1049	ALP1050	ALP1051	ALP1052	ALP1053	ALP1054	ALP1055	ALP1056	ALP1057	ALP1058	ALP1059	ALP1060	ALP1061	ALP1062	ALP1063	ALP1064	ALP1065	ALP1066	ALP1067	ALP1068	ALP1069	ALP1070	ALP1071	ALP1072	ALP1073	ALP1074	ALP1075	ALP1076	ALP1077	ALP1078	ALP1079	ALP1080	ALP1081	ALP1082	ALP1083	ALP1084	ALP1085	ALP1086	ALP1087	ALP1088	ALP1089	ALP1090	ALP1091	ALP1092	ALP1093	ALP1094	ALP1095	ALP1096	ALP1097	ALP1098	ALP1099	ALP1100	ALP1101	ALP1102	ALP1103	ALP1104	ALP1105	ALP1106	ALP1107	ALP1108	ALP1109	ALP1110	ALP1111	ALP1112	ALP1113	ALP1114	ALP1115	ALP1116	ALP1117	ALP1118	ALP1119	ALP1120	ALP1121	ALP1122	ALP1123	ALP1124	ALP1125	ALP1126	ALP1127	ALP1128	ALP1129	ALP1130	ALP1131	ALP1132	ALP1133	ALP1134	ALP1135	ALP1136	ALP1137	ALP1138	ALP1139	ALP1140	ALP1141	ALP1142	ALP1143	ALP1144	ALP1145	ALP1146	ALP1147	ALP1148	ALP1149	ALP1150	ALP1151	ALP1152	ALP1153	ALP1154	ALP1155	ALP1156	ALP1157	ALP1158	ALP1159	ALP1160	ALP1161	ALP1162	ALP1163	ALP1164	ALP1165	ALP1166	ALP1167	ALP1168	ALP1169	ALP1170	ALP1171	ALP1172	ALP1173	ALP1174	ALP1175	ALP1176	ALP1177	ALP1178	ALP1179	ALP1180	ALP1181	ALP1182	ALP1183	ALP1184	ALP1185	ALP1186	ALP1187	ALP1188	ALP1189	ALP1190	ALP1191	ALP1192	ALP1193	ALP1194	ALP1195	ALP1196	ALP1197	ALP1198	ALP1199	ALP1200	ALP1201	ALP1202	ALP1203	ALP1204	ALP1205	ALP1206	ALP1207	ALP1208	ALP1209	ALP1210	ALP1211	ALP1212	ALP1213	ALP1214
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PROPULSIVE MING FLOW FIELD

RACE SUMMARY, RUN 430

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16	ALP17	ALP18	ALP19	ALP20
1	-0.05	05.45	07.83	04.46	07.58	04.32	08.88	43.74													
2	-0.04	-1.05	1.08	0.20	3.83	-2.00	-0.51	-4.47													
3	-0.04	05.30	01.88	08.01	08.93	04.13	08.87	42.40													
4	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													
5	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													
6	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													
7	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													
8	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													
9	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													
10	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													
11	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													

PROPULSIVE MING FLOW FIELD

RACE SUMMARY, RUN 437

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7	ALP8	ALP9	ALP10	ALP11	ALP12	ALP13	ALP14	ALP15	ALP16	ALP17	ALP18	ALP19	ALP20
1	-0.05	05.45	07.83	04.46	07.58	04.32	08.88	43.74													
2	-0.04	-1.05	1.08	0.20	3.83	-2.00	-0.51	-4.47													
3	-0.04	05.30	01.88	08.01	08.93	04.13	08.87	42.40													
4	-0.04	01.84	137.60	00.50	01.07	04.16	00.83	00.00													

PROPULSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 428

PT	ALPHA BETA NEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	-0.02 0.00 58.88	135.20 2.72 1.88	138.70 1.85 1.38	137.50 1.78 1.20	137.30 0.87 1.38	137.30 1.33 0.81	137.70 1.13 0.85	140.70 0.61 0.88
2	-0.02 0.00 60.01	135.60 3.51 2.54	138.30 2.01 2.34	138.30 1.57 2.23	137.60 0.99 2.07	137.60 0.94 1.21	137.80 0.55 1.07	140.90 0.42 1.08
3	-0.02 0.00 83.60	135.70 5.44 1.50	138.50 1.78 7.07	138.80 0.85 2.81	137.40 0.87 2.27	137.70 0.07 1.28	137.70 0.81 1.22	140.80 0.21 0.81
4	-0.02 0.00 86.00	135.80 4.22 -0.68	137.60 3.41 -2.98	138.00 1.98 -2.22	137.20 0.18 -2.01	137.20 0.55 -1.31	138.50 1.16 -1.16	138.80 0.03 -0.10
5	-0.02 0.00 88.00	135.90 3.05 -0.48	137.90 2.78 -1.37	137.00 2.18 -1.61	137.80 0.85 -1.27	138.00 1.15 -1.15	138.40 1.02 -0.85	138.10 0.54 -0.24
6	-0.02 0.00 72.01	135.10 2.73 -0.15	138.10 1.85 -0.82	137.60 2.15 -1.20	138.10 1.17 -0.65	138.30 1.59 -1.05	138.60 1.40 -0.51	139.10 0.85 0.17
7	-0.02 0.00 75.00	135.70 2.54 0.03	138.40 1.86 -0.50	137.30 2.28 -0.77	138.40 1.38 -0.34	138.30 1.78 -0.73	138.70 1.83 -0.10	138.70 1.34 0.54
8	-0.03 0.00 78.01	135.40 2.58 0.23	138.80 1.90 -0.28	138.00 2.42 -0.52	138.20 1.68 -0.64	138.20 2.14 -0.51	137.00 2.08 0.04	138.80 2.01 0.59
9	-0.03 0.00 81.00	135.60 2.55 0.35	138.30 1.80 -0.17	138.60 2.48 -0.78	138.20 1.84 0.06	138.10 2.39 -0.52	137.20 2.54 0.05	138.20 2.28 0.53
10	-0.04 0.00 84.00	135.80 2.54 0.40	138.30 2.08 -0.08	138.70 2.58 -0.33	138.30 1.85 0.12	138.30 2.42 -0.51	137.30 2.68 0.02	138.20 2.41 0.43
11	-0.04 0.00 87.01	134.80 2.84 0.48	138.10 2.18 0.01	138.50 2.82 -0.14	138.10 2.60 0.08	138.80 2.55 -0.85	137.10 2.81 -0.02	138.80 2.50 0.34

PROPULSIVE MINE FLOW FIELD

RAKE SUMMARY, RUN 429

PT	ALPHA BETA NEIGHT	V11 ALP1 BET1	V12 ALP2 BET2	V13 ALP3 BET3	V14 ALP4 BET4	V15 ALP5 BET5	V16 ALP6 BET6	V17 ALP7 BET7
1	0.00 0.00 57.91	98.80 1.72 4.63	100.20 -0.47 4.83	98.87 -0.84 3.97	98.28 -2.85 3.52	98.77 -2.63 2.72	97.88 -3.02 2.84	101.30 -2.97 1.41
2	0.00 0.00 60.00	98.18 3.17 8.20	98.38 -0.37 8.94	98.28 -2.22 8.46	98.38 -4.88 4.74	98.21 -4.27 3.66	98.18 -4.83 3.15	100.80 -4.75 1.73
3	0.00 0.00 63.02	95.80 8.58 5.07	100.40 3.58 2.88	100.40 -8.88 7.29	100.50 -3.22 5.07	104.50 -3.28 3.57	103.00 -4.74 3.22	108.90 -4.74 2.44
4	0.00 0.00 68.03	98.33 8.77 -0.86	101.70 4.38 -4.88	119.80 -8.38 -4.88	121.20 -3.61 -2.32	100.90 -8.28 0.33	102.40 -8.37 0.17	178.60 -8.50 1.30
5	0.00 0.00 68.02	95.85 4.55 -0.88	98.18 3.04 -2.07	92.84 2.80 -3.37	95.84 0.85 -2.61	92.88 0.98 -2.44	92.44 0.23 -1.18	97.37 6.33 9.03
6	0.00 0.00 72.03	95.28 3.81 -0.40	97.74 2.22 -1.15	94.18 2.40 -2.40	96.88 0.70 -1.47	93.75 1.73 -1.78	93.37 1.05 -0.75	98.54 0.33 0.18
7	-0.01 0.00 75.02	95.01 3.45 -0.13	97.40 1.91 -2.77	93.65 2.32 -2.15	96.81 0.84 -1.30	94.51 2.28 -1.30	93.77 1.61 -0.30	98.77 1.14 0.58
8	-0.01 0.00 78.01	95.18 2.88 0.12	98.28 1.88 -0.40	95.28 2.43 -1.58	98.28 1.05 -0.82	94.37 2.28 -1.03	94.52 1.88 -0.20	98.77 1.58 0.52
9	-0.01 0.00 81.06	94.84 3.20 0.32	97.84 1.78 -0.34	94.38 2.39 -1.38	97.28 0.88 -0.58	94.85 2.18 -0.85	95.07 2.08 -0.09	98.72 1.78 0.55
10	-0.02 0.00 84.05	95.52 2.84 0.52	98.28 1.70 -0.15	94.27 2.58 -0.84	98.84 0.84 -0.3	94.78 2.43 -0.82	95.13 2.30 -0.09	100.30 1.84 0.46
11	-0.02 0.00 87.00	94.53 3.03 0.53	98.50 1.88 -0.05	94.34 2.44 -1.25	98.82 1.08 -0.45	94.87 2.45 -0.78	95.38 2.24 -0.07	100.50 1.88 0.55

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 431

PT	ALPHA DETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
2	0.00 0.00 35.00	00.03 2.97 0.50	00.01 0.92 -0.03	00.22 2.24 -1.31	00.45 0.11 -0.70	72.00 6.20 3.00	00.00 2.37 -0.15	70.50 1.00 0.30
3	0.01 0.00 35.00	00.07 2.02 0.41	00.44 -1.50 -0.30	03.50 2.50 -1.11	07.40 1.25 -0.44	103.70 6.20 3.00	00.00 2.37 -0.15	00.00 2.37 -0.15
4	0.04 0.00 35.00	100.00 2.10 0.10	140.00 2.30 -0.47	137.00 3.00 -0.99	130.40 2.33 -0.40	140.00 6.37 3.00	137.70 3.20 -0.50	140.00 2.90 -0.05

PROPULSIVE MING FLOW FIELD

RAKE SUMMARY, RUN 430

PT	ALPHA DETA HEIGHT	VT1 ALP1 DET1	VT2 ALP2 DET2	VT3 ALP3 DET3	VT4 ALP4 DET4	VT5 ALP5 DET5	VT6 ALP6 DET6	VT7 ALP7 DET7
1	-0.02 0.00 37.07	07.04 1.75 5.04	71.15 -2.15 4.93	00.00 -2.70 3.70	70.00 -3.00 3.30	00.00 -0.20 3.15	00.00 -0.20 3.15	70.00 -0.20 3.15
2	-0.03 0.00 00.01	00.00 -2.34 7.00	00.40 -4.42 8.31	00.17 -7.13 9.20	00.10 -8.70 9.20	00.00 -8.70 9.20	00.00 -8.70 9.20	70.00 -0.20 3.15
3	-0.03 0.00 03.00	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
4	-0.03 0.00 00.01	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
5	-0.03 0.00 00.01	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
6	-0.03 0.00 72.01	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
7	-0.03 0.00 75.22	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
8	-0.04 0.00 70.00	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
9	0.01 0.00 81.02	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
10	0.00 0.00 84.11	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15
11	0.00 0.00 87.01	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	00.00 -1.00 3.20	70.00 -0.20 3.15

PROGRESSIVE MING FLOW FIELD

BASE SUMMARY, SUM 433

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
1	0.00	134.00	140.00	130.00	137.00	130.00	137.00	137.00
2	0.01	133.00	140.10	137.40	137.50	138.30	137.00	137.10
3	0.01	133.00	140.00	137.00	137.70	138.20	137.30	138.00
4	0.01	133.00	140.10	138.00	137.70	138.00	137.00	138.00
5	0.01	133.00	140.00	137.10	137.30	138.10	137.10	138.00
6	0.00	133.00	140.00	137.00	137.00	138.00	138.00	137.00
7	0.00	137.50	140.20	138.00	137.00	138.10	138.70	138.00
8	0.00	133.00	140.00	137.00	137.00	138.00	138.00	138.00
9	0.01	133.00	140.00	137.00	137.00	138.00	138.00	138.00
10	0.01	133.00	140.00	137.00	137.00	138.00	138.00	138.00
11	0.01	133.00	140.00	137.00	137.00	138.00	138.00	138.00

PROGRESSIVE MING FLOW FIELD

BASE SUMMARY, SUM 433

PT	ALPHA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
1	0.02	132.20	138.00	130.77	137.00	130.33	136.54	136.10
2	0.02	132.27	138.01	138.30	137.17	134.71	130.23	130.67
3	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
4	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
5	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
6	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
7	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
8	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
9	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
10	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70
11	0.02	132.22	138.00	138.00	138.00	134.84	130.31	130.70

PROGRESSIVE MISS FLOW FIELD

BASE SUMMARY, RUN 434

PT	ALPHA	VT1	VT2	VT3	VT4	VT5	VT6	VT7
	DETA	ALP1	ALP2	ALP3	ALP4	ALP5	ALP6	ALP7
	DETA	DETA	DETA	DETA	DETA	DETA	DETA	DETA
1	0.00	04.30	71.00	04.07	04.00	04.10	07.34	72.70
	0.00	3.00	1.00	2.00	-0.50	3.03	1.03	1.03
	97.02	3.11	0.79	1.34	1.00	2.51	2.50	4.70
2	0.00	03.07	72.37	04.00	07.00	04.72	04.30	72.00
	0.00	3.30	1.77	3.00	-0.00	3.04	3.70	3.24
	00.01	3.00	0.77	0.07	1.74	2.00	3.73	5.34
3	0.00	02.03	71.00	07.00	04.00	00.72	07.30	72.70
	0.00	4.30	2.12	3.31	0.21	4.01	4.10	5.03
	03.04	3.10	0.03	0.20	1.72	1.01	2.74	3.71
4	0.00	03.30	72.75	04.04	07.41	05.00	04.04	72.00
	0.00	4.00	2.20	3.51	0.72	4.50	4.10	4.00
	00.01	3.00	0.50	0.07	0.40	0.00	1.12	1.40
5	-0.01	03.23	71.00	07.07	04.44	00.00	04.00	72.03
	0.00	4.00	2.00	3.10	0.10	4.50	3.47	2.05
	00.01	2.00	0.44	-0.40	-0.40	0.10	0.70	0.03
6	-0.01	02.07	71.73	07.41	04.74	04.00	04.54	72.00
	0.00	4.10	1.03	3.01	-0.20	3.74	2.77	3.10
	72.01	3.70	0.21	-0.40	-0.70	-0.10	-0.07	0.71
7	-0.01	03.41	72.03	04.41	07.02	00.51	04.03	72.00
	0.00	4.22	1.00	2.02	-0.41	3.40	2.23	2.00
	98.00	2.10	-0.00	-1.17	-1.30	-0.04	-0.34	0.73
8	-0.01	03.04	72.00	07.34	07.70	00.01	04.50	72.01
	0.00	3.70	1.70	3.00	-0.11	3.02	2.00	2.41
	70.01	1.00	-0.70	-1.01	-0.00	-0.34	-0.27	0.73
9	-0.02	03.07	72.00	04.00	04.03	00.00	04.54	74.21
	0.00	4.37	1.00	2.10	-0.44	3.00	1.00	2.17
	01.04	1.00	-0.70	-1.30	-1.02	-0.34	-0.30	0.00
10	-0.02	04.00	72.00	04.10	07.27	00.40	04.70	72.04
	0.00	3.00	1.00	2.43	-0.02	3.12	1.50	2.70
	04.03	1.70	-0.44	-1.00	-0.50	-0.14	-0.40	0.00
11	-0.02	01.23	72.30	04.17	04.20	00.70	04.41	74.01
	0.00	4.00	1.01	-0.37	3.14	1.32	1.32	1.00
	07.07	2.10	-0.04	-1.70	-1.30	0.00	-0.34	0.00



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16. Abstract A propulsive wing/canard model has been tested at STOL operating conditions in the NASA Langley Research Center 4 x 7 meter wind tunnel. Longitudinal and lateral/directional aerodynamic characteristics were measured for various flap deflections, angles of attack and sideslip, and blowing coefficients. Testing was conducted for several model heights to determine ground proximity effects on the aerodynamic characteristics. Flow field surveys of local flow angles and velocities were performed behind both the canard and the wing. This report consists of two volumes. Volume I (NASA CR-178348) describes the model, instrumentation, and test procedures; and includes an analysis of the data. Volume II (NASA CR-178349) contains all of the test data in three appendices. Appendix A presents tabulated six component force and moment data, Appendix B presents tabulated wing pressure coefficients, and Appendix C presents the flow field data.		
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